

CODE:-

File Name: - index.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <title>Capture</title>
    <link href="https://fonts.googleapis.com/css?family=Monsterrat|Ubuntu" rel="stylesheet">
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Montserrat:wght@900&display=swap" rel="stylesheet">
    <!-- CSS Stylesheets -->
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
    <link rel="stylesheet" href="index.css" />

    <!-- Font Awesome Styles -->
    <script defer src="https://kit.fontawesome.com/5251786828.js" crossorigin="anonymous"></script>

    <!-- Bootstrap Scripts -->
    <script
src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
  integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"
></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"
  integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"
></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"
  integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"
></script>
  </head>
  <body>
    <section class="colored-section" id="title">
      <div class="container-fluid">

        <!-- Nav Bar -->
        <nav class="navbar navbar-expand-lg navbar-dark">
          <a class="navbar-brand" href="">capture</a>
          <button
            class="navbar-toggler"
            type="button"
            data-toggle="collapse"
            data-target="#navbarSupportedContent"
            aria-controls="navbarSupportedContent"
            aria-expanded="false"
            aria-label="Toggle navigation"
          >
            <span class="navbar-toggler-icon"></span>
          </button>
        </nav>
      </div>
    </section>
  </body>
</html>
```

```

<div class="collapse navbar-collapse" id="navbarSupportedContent">
  <ul class="navbar-nav ml-auto">
    <li class="nav-item">
      <a class="nav-link" href="#footer">Contact</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#pricing">Pricing</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#cta">Download</a>
    </li>
  </ul>
</div>
</nav>

<!-- Title -->
<div class="row">
  <div class="col-lg-6">
    <h1 class="big-heading">Capture what can't be captured.</h1>
    <h4>With our photo capturing app.</h4>
    <button type="button" class="btn btn-outline-dark btn-lg download-button"><i class="fab fa-apple"></i>
Download</button>
    <button type="button" class="btn btn-outline-light btn-lg download-button"><i class="fab fa-google-
play"></i> Download</button>
  </div>
  <div class="col-lg-6">
    
  </div>
</div>
</div>
</section>

<!-- Features -->
<section class="white-section" id="features">
  <div class="row">
    <div class="feature-box col-lg-4">
      <i class="icon fas fa-check-circle fa-4x"></i>
      <h3>Easy to use.</h3>
      <p>Easy to operate and click dynamic views</p>
    </div>
    <div class="feature-box col-lg-4">
      <i class="icon fas fa-bullseye fa-4x"></i>
      <h3>Elite Clientele</h3>
      <p>Upload your photography and earn likes!</p>
    </div>
    <div class="feature-box col-lg-4">
      <i class="icon fas fa-heart fa-4x"></i>
      <h3>Guaranteed to work.</h3>
      <p>Bugs free and effective image capturing.</p>
    </div>
  </div>
</section>

<!-- Testimonials -->

<section class="colored-section" id="testimonials">
  <div id="testimonial-carousel" class="carousel slide" data-ride="false">
    <div class="carousel-inner" >

```

```
<div class="carousel-item active">
  <h2>Great app.The quality of capturing scenic beauty with this app is remarkable.</h2>
  
  <em>Pebbles, New York</em>
</div>
<div class="carousel-item" >
  <h2 class="testimonial-text">Posting my work gained me tons of likes and followers!</h2>
  
  <em>Beverly, Illinois</em>
</div>
</div>
<a class="carousel-control-prev" href="#testimonial-carousel" role="button" data-slide="prev">
  <span class="carousel-control-prev-icon"></span>
</a>
<a class="carousel-control-next" href="#testimonial-carousel" role="button" data-slide="next">
  <span class="carousel-control-next-icon"></span>
</a>
</div>
</section>
```

```
<!-- Press -->
```

```
<section class="colored-section" id="press">
  
  
  
  
</section>
```

```
<!-- Pricing -->
```

```
<section class="white-section" id="pricing">
  <h2>Our plans include a range of options for you to choose.</h2>
  <p>Simple and affordable price plans for you.</p>
```

```
<div class="row">
  <div class=" pricing-column col-lg-4 col-md-6">
    <div class="card">
      <div class=" card-header">
        <h3>Free Version</h3>
      </div>
      <div class="card-body">
        <h2>Free</h2>
        <p>Unlimited captures</p>
        <p>Limited cloud storage</p>
        <p>No posting services</p>
        <button class="btn btn-lg btn-block btn-outline-dark" type="button">Sign Up</button>
      </div>
    </div>
  </div>
</div>
```

```
<div class="pricing-column col-lg-4 col-md-6">
  <div class="card">
    <div class=" card-header">
      <h3>Monthly Plan</h3>
    </div>
    <div class="card-body">
      <h2>$49 / mo</h2>
```

```

    <p>Unlimited captures</p>
    <p>Unlimited cloud storage</p>
    <p>Limited Posting services</p>
    <button class="btn btn-lg btn-block btn-dark" type="button">Sign Up</button>
  </div>
</div>
<div class="pricing-column col-lg-4 col-md-12">
  <div class="card">
    <div class=" card-header">
      <h3>Annual Plan</h3>
    </div>
    <div class="card-body">
      <h2>$299 / yr</h2>
      <p>Unlimited captures</p>
      <p>Unlimited cloud storage</p>
      <p>Unlimited Posting services</p>
      <button class="btn btn-lg btn-block btn-dark" type="button">Sign Up</button>
    </div>
  </div>
</div>
</div>
</div>
</section>

<!-- Call to Action -->
<div class="container"></div>
<div class=" bottom row">
  <div class="col">
    <section class=" colored-section" id="cta">
      <h3 class="text-bottom">Get your app right away and 'Capture' the world!</h3>
      <button type="button" class="btn btn-outline-dark btn-lg download-button"><i class="fab fa-apple"></i>
Download</button>
      <button type="button" class="btn btn-outline-light btn-lg download-button"><i class="fab fa-google-
play"></i> Download</button>
    </section>
  </div>
</div>
</div>
<!-- Footer -->

<footer class="white-section" id="footer">
  <ul class="social-network social-circle">
    <li><a href="#" class="icoFacebook" title="Facebook"><i class="fa fa-facebook"></i></a></li>
    <li><a href="#" class="icoTwitter" title="Twitter"><i class="fa fa-twitter"></i></a></li>
    <li><a href="#" class="icoGoogle" title="Google +"><i class="fa fa-google-plus"></i></a></li>
    <li><a href="#" class="icoInstagram" title="Instagram"><i class="fa fa-instagram" aria-
hidden="true"></i></a></li>

  </ul>
  <p>© Copyright 2023</p>
</footer>
</body>
</html>

```

File Name: - index.css

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
>
<xsl:template match="/">
  <html>
    <body>
      <table border="1">
        <tr>
          <th> Username</th>
          <th>Password</th>
          <th>FirstName</th>
          <th>LastName</th>
          <th>Gender</th>
          <th>Email</th>
        </tr>
      </table>
    </body>
  </html>
</xsl:template>
</xsl:stylesheet>

/* containers*/

.colored-section{
  background-color: #6293c4;
  color:#fff;
}
.container-fluid{
  padding: 7% 15%;
}

#title .container-fluid{
  padding: 3% 15% 7%;
}

.big-heading{
font-family: 'Montserrat', sans-serif;
font-size: 3rem;
}

h1,h2,h3,h4,h5,h6{
  font-family: 'Montserrat', sans-serif;
  font-style: bold;
}

h2{
  font-family: 'Montserrat';
  font-style: bold;
  font-size: 3rem;
  line-height:1.5 ;
}

p{
  color: #afafaf;
}

body{
  font-family: 'Montserrat';
  text-align: center;
}

/*Navigation Bar*/
```

```

    <th>Position</th>
    <th>Salary</th>
    <th>Contact</th>
  </tr>
<xsl:for-each select="company/employee">
  <tr>
    <td><xsl:value-of
select="username"/></td>
    <td><xsl:value-of
select="password"/></td>
    <td>< #title{
      font-family: 'Montserrat', sans-serif;
    }
  </td>
</tr>
</xsl:for-each>

.navbar{
  padding-bottom: 4.5rem;
}

.navbar-brand{
  font-family: "Ubuntu";
  font-size: 2.5rem;
  font-weight: bold;
}

.nav-item{
  padding: 0 18px;
}

.nav-link{
  font-size: 1.2rem;
  font-family: 'Montserrat-Light', sans-serif;
  color:#fff;
}

.download-button{
margin: 5% 3% 5% 0%
}

/* Title Image */
.title-image{
  width: 60%;
  transform: rotate(25deg);
  position: absolute;
  right: 30%;
}

/* Features */
#features{
  padding: 7% 15%;
  background-color: white;
  position: relative;
}


```

```

.feature-box{
    padding: 5%;
}

.icon{
    color: #6293c4;
    margin-bottom: 1rem;
}

.icon:hover{
    color: #282828;
}

/* Testimonials Section */

#testimonials{
    padding: 7% 15%;

    background-color: #6293c4;
    color: #fff;
}

.testimonial-image{
    width: 100px;
    height: 80px;
    border-radius: 100%;
    margin: 10px;
}

#press{
    background-color: #6293c4;

    padding-bottom: 3%;
}

.press-logo{
    width: 15%;
    margin: 20px 20px 50px;
}

.carousel-item{
    padding: 7% 15%;
}

/* pricing section */
#pricing{
    padding: 100px;
}

.pricing-column{
    padding: 3% 2%;
}

@media (max-width: 1028px) {

#title{
    text-align: center;
}

.title-image{
    position: static;
    transform: rotate(0);
}

#cta{
    font-family: 'Montserrat', sans-serif;
    font-size: 3rem;
    padding: 7% 15%;
}

.text-bottom{
    color: #fff;
    font-size: 3.5rem;
    line-height: 1.5;
}

.bottom{
    background-color: #6293c4;

    padding: 3% 15% 7%;
}

#footer{
    padding: 7% 15%;
}

/*footer social icons */
ul.social-network {
    list-style: none;
    display: inline;
    margin-left:0 !important;
    padding: 0;
}
ul.social-network li {
    display: inline;
    margin: 0 5px;
}

/*footer social icons */
.social-network a.icoRss:hover {
    background-color: #F56505;
}
.social-network a.icoFacebook:hover {
    background-color:#3B5998;
}
.social-network a.icoTwitter:hover {
    background-color:#33ccff;
}
.social-network a.icoGoogle:hover {

```

```

    background-color:#BD3518;
}
.social-network a.icoVimeo:hover {
    background-color:#0590B8;
}
.social-network a.icoLinkedin:hover {
    background-color:#007bb7;
}
.social-network a.icoInstagram:hover {
    background-color: orangered;
}
.social-network a.icoRss:hover i, .social-network
a.icoFacebook:hover i, .social-network
a.icoTwitter:hover i,
.social-network a.icoGoogle:hover i, .social-network
a.icoVimeo:hover i, .social-network
a.icoLinkedin:hover i, .social-network
a.icoInstagram:hover i {
    color:#fff;
}
a.socialIcon:hover, .socialHoverClass {
    color:#44BCDD;
}

.social-circle li a {
    display:inline-block;
    position:relative;
    margin:0 auto 0 auto;
    -moz-border-radius:50%;
    -webkit-border-radius:50%;
    border-radius:50%;

```

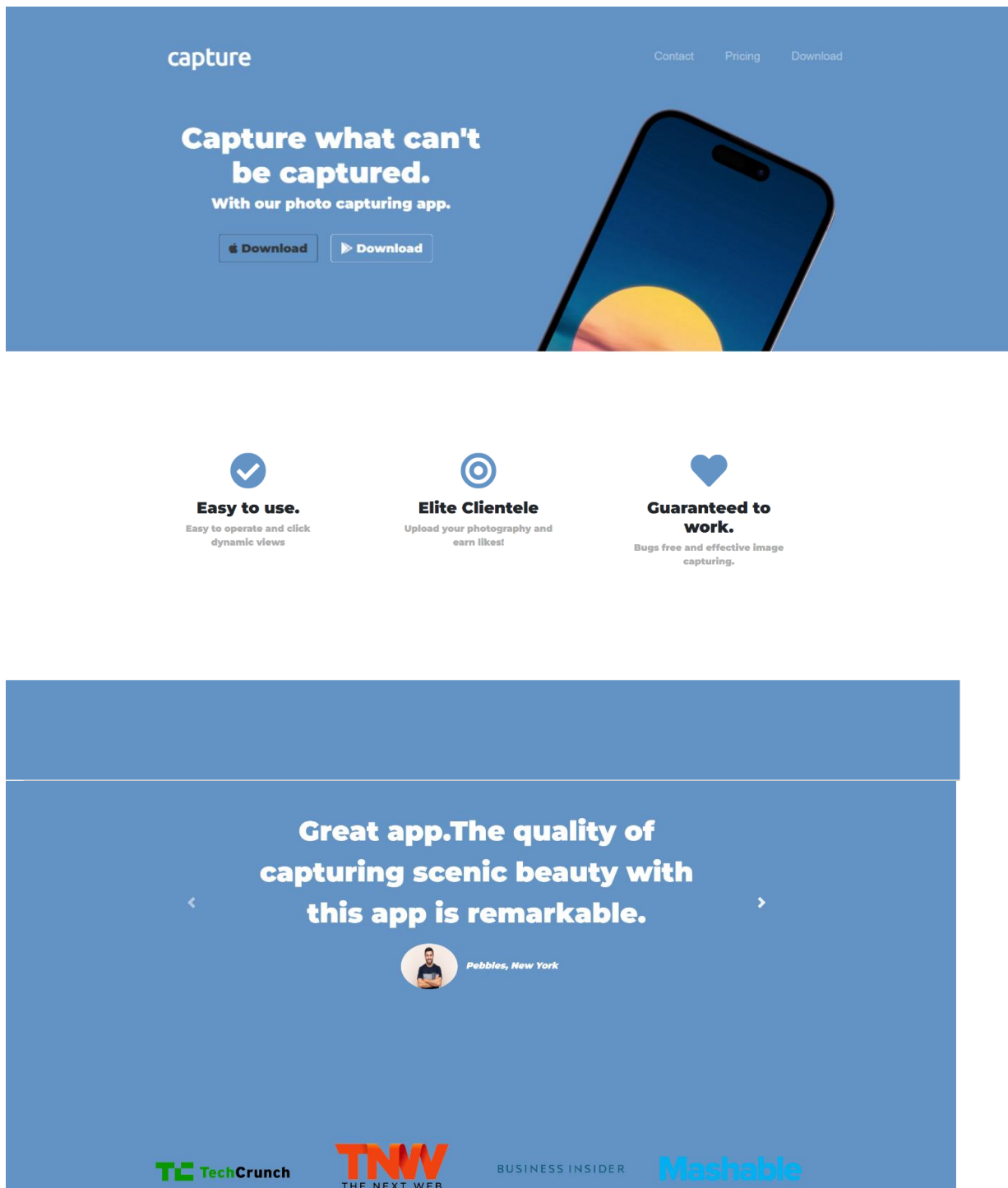
```

    text-align:center;
    width: 50px;
    height: 50px;
    font-size:20px;
}
.social-circle li i {
    margin:0;
    line-height:50px;
}

.social-circle li a:hover i, .triggeredHover {
    -moz-transform: rotate(360deg);
    -webkit-transform: rotate(360deg);
    -ms--transform: rotate(360deg);
    transform: rotate(360deg);
    -webkit-transition: all 0.2s;
    -moz-transition: all 0.2s;
    -o-transition: all 0.2s;
    -ms-transition: all 0.2s;
    transition: all 0.2s;
}
.social-circle i {
    color: black;
    -webkit-transition: all 0.8s;
    -moz-transition: all 0.8s;
    -o-transition: all 0.8s;
    -ms-transition: all 0.8s;
    transition: all 0.8s;
}

```

OUTPUT:-



Our plans include a range of options for you to choose.

Simple and affordable price plans for you.

| Free Version | Monthly Plan | Annual Plan |
|--|--|---|
| Free Unlimited captures Limited cloud storage No posting services Sign Up | \$49 / mo Unlimited captures Unlimited cloud storage Limited Posting services Sign Up | \$299 / yr Unlimited captures Unlimited cloud storage Unlimited Posting services Sign Up |

Get your app right away
and 'Capture' the world!

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CODE:-

File Name: - employee.dtd

```
<!ELEMENT company (employee+)>
<!ELEMENT employee (username,password,firstname,lastname,gender,email,position,salary,contact)>
<!ELEMENT username (#PCDATA)>
<!ELEMENT password (#PCDATA)>
<!ELEMENT firstname (#PCDATA)>
<!ELEMENT lastname (#PCDATA)>
<!ELEMENT gender (#PCDATA)>
<!ELEMENT email (#PCDATA)>
<!ELEMENT position (#PCDATA)>
<!ELEMENT salary (#PCDATA)>
<!ELEMENT contact (#PCDATA)>
```

File Name: - employee.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="employee.xsl"?>
<!DOCTYPE company SYSTEM "employee.dtd">
<company>
  <employee>
    <username>Akash123</username>
    <password>akash123</password>
    <firstname>Akash</firstname>
    <lastname>Mete</lastname>
    <gender>Male</gender>
    <email>akashmete129@gmail.com</email>
    <position>Software Developer</position>
    <salary>9.5lpa</salary>
    <contact>+91 7051794388</contact>
  </employee>

  <employee>
    <username>AlexWest</username>
    <password>alex123</password>
    <firstname>Alex</firstname>
    <lastname>West</lastname>
    <gender>Female</gender>
    <email>alex123@gmail.com</email>
    <position>Software Developer</position>
    <salary>8.5lpa</salary>
    <contact>+91 9335784511</contact>
  </employee>

  <employee>
    <username>BarryAllen</username>
    <password>barry123</password>
    <firstname>Barry</firstname>
    <lastname>Allen</lastname>
    <gender>Male</gender>
    <email>barryallen@gmail.com</email>
    <position>Frontend Developer</position>
    <salary>7.5lpa</salary>
```

```

    <contact>+91 7834918230</contact>
</employee>
<employee>
  <username>JohnDoe</username>
  <password>johndoe123</password>
  <firstname>John</firstname>
  <lastname>Doe</lastname>
  <gender>Male</gender>
  <email>johndoe@example.com</email>
  <position>Marketing Manager</position>
  <salary>12lpa</salary>
  <contact>+91 9934671209</contact>
</employee>

<employee>
  <username>JaneSmith</username>
  <password>janesmith456</password>
  <firstname>Jane</firstname>
  <lastname>Smith</lastname>
  <gender>Female</gender>
  <email>janesmith@example.com</email>
  <position>Human Resources Manager</position>
  <salary>10lpa</salary>
  <contact>+91 9091293801</contact>
</employee>

<employee>
  <username>BobJohnson</username>
  <password>bob123</password>
  <firstname>Bob</firstname>
  <lastname>Johnson</lastname>
  <gender>Male</gender>
  <email>bob.johnson@example.com</email>
  <position>Software Engineer</position>
  <salary>9lpa</salary>
  <contact>+91 7722012983</contact>
</employee>
</company>

```

File Name: - employee.xsl

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
    <html>
      <head>
        <title>XML-14K15A0501</title>
      </head>
      <body>
        <style>
          table {
            border-collapse: collapse;
            width: 100%;
          }
          th {
            font-size: 18px;
            color: blue;
            border: 1px solid black;

```

```

padding: 8px;
text-align: left;
}
tr:nth-child(even) {
background-color: #f2f2f2;
}
th:hover{
background-color: black;
color:white;
}
tr:hover {
background-color: black;
color:white;
}
td {
border: 1px solid black;
padding: 8px;
vertical-align: top;
}
td.salary {
text-align: right;
}
</style>

```

```

<table>
<tr>
<th>Username</th>
<th>Password</th>
<th>First Name</th>
<th>Last Name</th>
<th>Gender</th>
<th>Email</th>
<th>Position</th>
<th>Salary</th>
<th>Contact</th>
</tr>
<xsl:for-each select="company/employee">
<tr>
<td>
<xsl:value-of select="username" />
</td>
<td>
<xsl:value-of select="password" />
</td>
<td>
<xsl:value-of select="firstname" />
</td>
<td>
<xsl:value-of select="lastname" />
</td>
<td>
<xsl:value-of select="gender" />
</td>
<td>
<xsl:value-of select="email" />
</td>
<td>

```

```
        <xsl:value-of select="position" />
    </td>
    <td class="salary">
        ₹<xsl:value-of select="salary" />
    </td>
    <td>
        <xsl:value-of select="contact" />
    </td>
</tr>
</xsl:for-each>
</table>

</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

OUTPUT:-

XML-14K15A0501

127.0.0.1:5500/employee.xml

YouTubeMapsGmailNewsTranslateSOAP2DAYPractice | Geeksfor...Mixkit - Awesome f...Other bookmarks

| Username | Password | First Name | Last Name | Gender | Email | Position | Salary | Contact |
|------------|--------------|------------|-----------|--------|-------------------------|-------------------------|---------|----------------|
| Akash123 | akash123 | Akash | Mete | Male | akashmete129@gmail.com | Software Developer | ₹9.5lpa | +91 7051794388 |
| AlexWest | alex123 | Alex | West | Female | alex123@gmail.com | Software Developer | ₹8.5lpa | +91 9335784511 |
| BarryAllen | barry123 | Barry | Allen | Male | barryallen@gmail.com | Frontend Developer | ₹7.5lpa | +91 7834918230 |
| JohnDoe | johndoe123 | John | Doe | Male | johndoe@example.com | Marketing Manager | ₹12lpa | +91 9934671209 |
| JaneSmith | janesmith456 | Jane | Smith | Female | janesmith@example.com | Human Resources Manager | ₹10lpa | +91 9091293801 |
| BobJohnson | bob123 | Bob | Johnson | Male | bob.johnson@example.com | Software Engineer | ₹9lpa | +91 7722012983 |

XML-14K15A0501

127.0.0.1:5500/employee.xml

YouTubeMapsGmailNewsTranslateSOAP2DAYPractice | Geeksfor...Mixkit - Awesome f...Other bookmarks

| Username | Password | First Name | Last Name | Gender | Email | Position | Salary | Contact |
|------------|--------------|------------|-----------|--------|-------------------------|-------------------------|---------|----------------|
| Akash123 | akash123 | Akash | Mete | Male | akashmete129@gmail.com | Software Developer | ₹9.5lpa | +91 7051794388 |
| AlexWest | alex123 | Alex | West | Female | alex123@gmail.com | Software Developer | ₹8.5lpa | +91 9335784511 |
| BarryAllen | barry123 | Barry | Allen | Male | barryallen@gmail.com | Frontend Developer | ₹7.5lpa | +91 7834918230 |
| JohnDoe | johndoe123 | John | Doe | Male | johndoe@example.com | Marketing Manager | ₹12lpa | +91 9934671209 |
| JaneSmith | janesmith456 | Jane | Smith | Female | janesmith@example.com | Human Resources Manager | ₹10lpa | +91 9091293801 |
| BobJohnson | bob123 | Bob | Johnson | Male | bob.johnson@example.com | Software Engineer | ₹9lpa | +91 7722012983 |

XML-14K15A0501

127.0.0.1:5500/employee.xml

YouTubeMapsGmailNewsTranslateSOAP2DAYPractice | Geeksfor...Mixkit - Awesome f...Other bookmarks

| Username | Password | First Name | Last Name | Gender | Email | Position | Salary | Contact |
|------------|--------------|------------|-----------|--------|-------------------------|-------------------------|---------|----------------|
| Akash123 | akash123 | Akash | Mete | Male | akashmete129@gmail.com | Software Developer | ₹9.5lpa | +91 7051794388 |
| AlexWest | alex123 | Alex | West | Female | alex123@gmail.com | Software Developer | ₹8.5lpa | +91 9335784511 |
| BarryAllen | barry123 | Barry | Allen | Male | barryallen@gmail.com | Frontend Developer | ₹7.5lpa | +91 7834918230 |
| JohnDoe | johndoe123 | John | Doe | Male | johndoe@example.com | Marketing Manager | ₹12lpa | +91 9934671209 |
| JaneSmith | janesmith456 | Jane | Smith | Female | janesmith@example.com | Human Resources Manager | ₹10lpa | +91 9091293801 |
| BobJohnson | bob123 | Bob | Johnson | Male | bob.johnson@example.com | Software Engineer | ₹9lpa | +91 7722012983 |

CODE:-

File Name: - App.css

```
*, *::before, *::after {
  box-sizing: border-box;
}

body {
  margin: 0;
  background: rgb(25, 0, 36);
  background: linear-gradient(90deg,
    rgba(25, 0, 36, 1) 0%, rgba(41, 9, 121, 1) 30%,
    rgba(210, 0, 255, 1) 100%);
  max-width: 500px;
  margin: auto;
  font-family: 'Inconsolata', monospace;
}

h1 {
  width: 400px;
  color: white;
  height: 50px;
  font-family: 'Inconsolata', monospace;
  margin: 0%;
  text-align: center;
}

.calculator-grid {
  display: grid;
  margin-top: 2rem;
  grid-template-columns: repeat(4, 6rem);
  grid-template-rows: minmax(7rem, auto)
  repeat(5, 6rem);
  justify-content: center;
}

.calculator-grid > button {
  opacity: 0.5;
  cursor: pointer;
  font-size: 2rem;
  border: 1px solid white;
  outline: none;
  background-color: rgb(252, 252, 252);
}

.calculator-grid > button:hover,
.calculator-grid > button:focus {
  background-color: rgba(255, 255, 255, .9);
}

.span-two {
  grid-column: span 2;
}
```

```
}

.output {
  opacity: 0.9;
  grid-column: 1 / -1;
  background-color: rgba(255, 255, 255, 0.75);
  display: flex;
  flex-direction: column;
  align-items: flex-end;
  justify-content: space-around;
  padding: .75rem;
  word-wrap: break-word;
  word-break: break-all;
}

.output .previous-operand {
  color: rgba(0, 0, 0, 0.75);
  font-size: 1.5rem;
}

.output .current-operand {
  color: rgb(0, 0, 0);
  font-size: 2.5rem;
}

}
```

File Name: - App.js

```
import './App.css';
import React, { useReducer } from 'react';
import DigitButton from './DigitButton';
import OperationButton from './OperationButton';
export const ACTIONS = {
  ADD_DIGIT: 'add-digit',
  CHOOSE_OPERATION: 'choose-operation',
  CLEAR: 'clear',
  DELETE_DIGIT: 'delete-digit',
  EVALUATE: 'evaluate',
};
function reducer(state, { type, payload }) {
  switch (type) {
    case ACTIONS.ADD_DIGIT:
      if (state.overwrite) {
        return {
          ...state,
          currentOperand: payload.digit,
          overwrite: false,
        }
      }
      if (payload.digit === '0' && state.currentOperand === '0') {
        return state;
      }
      if (payload.digit === '.' && state.currentOperand.includes('.')) {
        return state;
      }
      return {
        ...state,
        currentOperand: `${state.currentOperand || ''}${payload.digit}`,
      };

    case ACTIONS.CHOOSE_OPERATION:
      if (state.currentOperand == null && state.previousOperand == null) {
        return state;
      }

      if (state.currentOperand == null) {
        return {
          ...state,
          operation: payload.operation,
        }
      }

      if (state.previousOperand == null) {
        return {
          ...state,
          operation: payload.operation,
          previousOperand: state.currentOperand,
          currentOperand: null,
        };
      }

      return {
        ...state,
```



```
    previousOperand: evaluate(state),
    operation: payload.operation,
    currentOperand: null,
  };
}
```

```
case ACTIONS.CLEAR:
  return {};
```

```
case ACTIONS.DELETE_DIGIT:
  if (state.overwrite) {
    return {
      ...state,
      overwrite: false,
      currentOperand: null
    }
  }
  if (state.currentOperand === null) return state
  if (state.currentOperand.length === 1){
    return { ...state, currentOperand: null}
  }
  return {
    ...state,
    currentOperand: state.currentOperand.slice(0, -1)
  }
}
```

```
case ACTIONS.EVALUATE:
  if (
    state.operation === null ||
    state.currentOperand === null ||
    state.previousOperand === null
  ) {
    return state
  }
```

```
  return {
    ...state,
    overwrite: true,
    previousOperand: null,
    operation: null,
    currentOperand: evaluate(state),
  }
  default:
    return {}
}
```

```
}
function evaluate({ currentOperand, previousOperand, operation }) {
  const prev = parseFloat(previousOperand);
  const current = parseFloat(currentOperand);
  if (isNaN(prev) || isNaN(current)) return "";
  let computation = "";
```

```
  switch (operation) {
    case "+":
      computation = prev + current;
      break;
    case "-":
      computation = prev - current;
      break;
    case "*":
      computation = prev * current;
```

```

    break;
case "÷":
    computation = prev / current;
    break;

    default:
        return {}
}

return computation.toString()
}

const INTEGER_FORMATTER = new Intl.NumberFormat("en-us", {
    maximumFractionDigits: 0,
})
function formatOperand(operand) {
    if(operand == null) return
    const [integer,decimal] = operand.split('.')
    if(decimal == null) return INTEGER_FORMATTER.format(integer)
    return `${INTEGER_FORMATTER.format(integer)}.${decimal}`
}

function App() {
    const [{ currentOperand, previousOperand, operation }, dispatch] = useReducer(
        reducer,
        {}
    );

    return (
        <div className="calculator-grid">
            <h1>Calculator App</h1>
            <div className="output">
                <div className="previous-operand">
                    {formatOperand(previousOperand)} {operation}
                </div>
                <div className="current-operand">{formatOperand(currentOperand)}</div>
            </div>
            <button
                className="span-two"
                onClick={() => {
                    dispatch({ type: ACTIONS.CLEAR });
                }}
            >
                AC
            </button>
            <button onClick={() => dispatch({type: ACTIONS.DELETE_DIGIT})}>DEL</button>
            <OperationButton operation="÷" dispatch={dispatch} />
            <DigitButton digit="1" dispatch={dispatch} />
            <DigitButton digit="2" dispatch={dispatch} />
            <DigitButton digit="3" dispatch={dispatch} />
            <OperationButton operation="*" dispatch={dispatch} />
            <DigitButton digit="4" dispatch={dispatch} />
            <DigitButton digit="5" dispatch={dispatch} />
            <DigitButton digit="6" dispatch={dispatch} />
            <OperationButton operation="+" dispatch={dispatch} />
            <DigitButton digit="7" dispatch={dispatch} />
            <DigitButton digit="8" dispatch={dispatch} />
            <DigitButton digit="9" dispatch={dispatch} />
            <OperationButton operation="-" dispatch={dispatch} />
        </div>
    )
}

```

```

    <DigitButton digit="." dispatch={dispatch} />
    <DigitButton digit="0" dispatch={dispatch} />
    <button className="span-two" onClick={() => dispatch({type: ACTIONS.EVALUATE})}>=</button>
  </div>
);
}

```

export default App;

File Name: - DigitButton.js

```

import { ACTIONS } from "./App"
export default function DigitButton({ dispatch, digit }) {
  return(
    <button onClick={() => dispatch({ type: ACTIONS.ADD_DIGIT, payload: {digit}})}>{digit}</button>
  )
}

```

File Name: - index.css

```

body {
  margin: 0;
  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen', 'Ubuntu', 'Cantarell', 'Fira Sans',
'Droid Sans', 'Helvetica Neue', sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}
code {
  font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New', monospace;
}

```

File Name: - index.js

```

import React from 'react';
import ReactDOM from 'react-dom';
import './index.css';
import App from './App';
ReactDOM.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>,
  document.getElementById('root')
);

```

File Name: - OperationButton.js

```

import { ACTIONS } from "./App"
export default function OperationButton({ dispatch, operation }) {
  return(
    <button onClick={() => dispatch({ type: ACTIONS.CHOOSE_OPERATION, payload: {operation}})}>
    {operation}</button>
  )
}

```

Output:-

Calculator App

ACDEL÷

123*

456+

789-

.0=

Calculator App

3 +
5

ACDEL÷

123*

456+

789-

.0=

Calculator App

8

ACDEL÷

123*

456+

789-

.0=

Calculator App

90 ÷

9

| | | | |
|----|---|-----|---|
| AC | | DEL | ÷ |
| 1 | 2 | 3 | * |
| 4 | 5 | 6 | + |
| 7 | 8 | 9 | - |
| . | 0 | = | |

Calculator App

10

| | | | |
|----|---|-----|---|
| AC | | DEL | ÷ |
| 1 | 2 | 3 | * |
| 4 | 5 | 6 | + |
| 7 | 8 | 9 | - |
| . | 0 | = | |

Calculator App

0 ÷

0

| | | | |
|----|---|-----|---|
| AC | | DEL | ÷ |
| 1 | 2 | 3 | * |
| 4 | 5 | 6 | + |
| 7 | 8 | 9 | - |
| . | 0 | = | |

Calculator App

| | | | |
|----|-----|---|-----|
| | | | NaN |
| AC | DEL | ÷ | |
| 1 | 2 | 3 | * |
| 4 | 5 | 6 | + |
| 7 | 8 | 9 | - |
| . | 0 | = | |

Calculator App

| | | | |
|----|-----|---|----------|
| | | | 1 ÷ 0 |
| AC | DEL | ÷ | |
| 1 | 2 | 3 | * |
| 4 | 5 | 6 | + |
| 7 | 8 | 9 | - |
| . | 0 | = | |

Calculator App

| | | | |
|----|-----|---|---|
| | | | ∞ |
| AC | DEL | ÷ | |
| 1 | 2 | 3 | * |
| 4 | 5 | 6 | + |
| 7 | 8 | 9 | - |
| . | 0 | = | |

CODE: -

File Name: - register.java

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
/* * Servlet implementation class Register */
@WebServlet("/register")
public class register extends HttpServlet {
    private static final long serialVersionUID = 1L;
    /* * @see HttpServlet#HttpServlet() */
    public register() {
        super();
        // TODO Auto-generated constructor stub
    }
    /** @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response) */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        // TODO Auto-generated method stub
        response.getWriter().append("Served at: ").append(request.getContextPath());
    }
    /** @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response) */
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        String book_id = request.getParameter("book_id");
        String book_title = request.getParameter("book_title");
        String book_author = request.getParameter("book_author");
        String book_price = request.getParameter("book_price");
        String quantity = request.getParameter("quantity");
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/BookDB", "root",
            "root");
            PreparedStatement ps = con.prepareStatement("insert into ebookshop values(?,?,?,?,?)");
            ps.setString(1, book_id);
            ps.setString(2, book_title);
            ps.setString(3, book_author);
            ps.setString(4, book_price);
            ps.setString(5, quantity);
            int i = ps.executeUpdate();
            if (i > 0) {

                PreparedStatement ps1 = con.prepareStatement("SELECT * FROM ebookshop");
```

```

ResultSet rs = ps1.executeQuery();
out.println("<html><head><title>Book Inventory</title>");
out.println("<style>");
out.println("table {border-collapse: collapse; width: 100%;}");
out.println("th, td {text-align: left; padding: 8px;}");
out.println("th {background-color: #4CAF50; color: white;}");
out.println("tr:nth-child(even) {background-color: #f2f2f2;}");
out.println("</style>");
out.println("</head><body>");
out.println("<h2 style='text-align: center;'>Book Inventory</h2>");
out.println("<table>");
out.println("<tr><th>ID</th><th>Title</th><th>Author</th><th>Price</th><th>Quantity</th></tr>");
while (rs.next()) {
    book_id = rs.getString("book_id");
    book_title = rs.getString("book_title");
    book_author = rs.getString("book_author");
    book_price = rs.getString("book_price");
    quantity = rs.getString("quantity");
    out.println("<tr><td>" + book_id + "</td><td>" + book_title + "</td><td>" + book_author +
        "</td><td>" + book_price + "</td><td>" + quantity + "</td></tr>");
}
out.println("</table>");
out.print("<h3 style='text-align: center; color: red;'>You're data has been stored successfully</h3>");
out.println("</body></html>");
rs.close();
ps1.close();
con.close();
}
} catch (Exception e) {
    System.out.println(e);
}
}
}

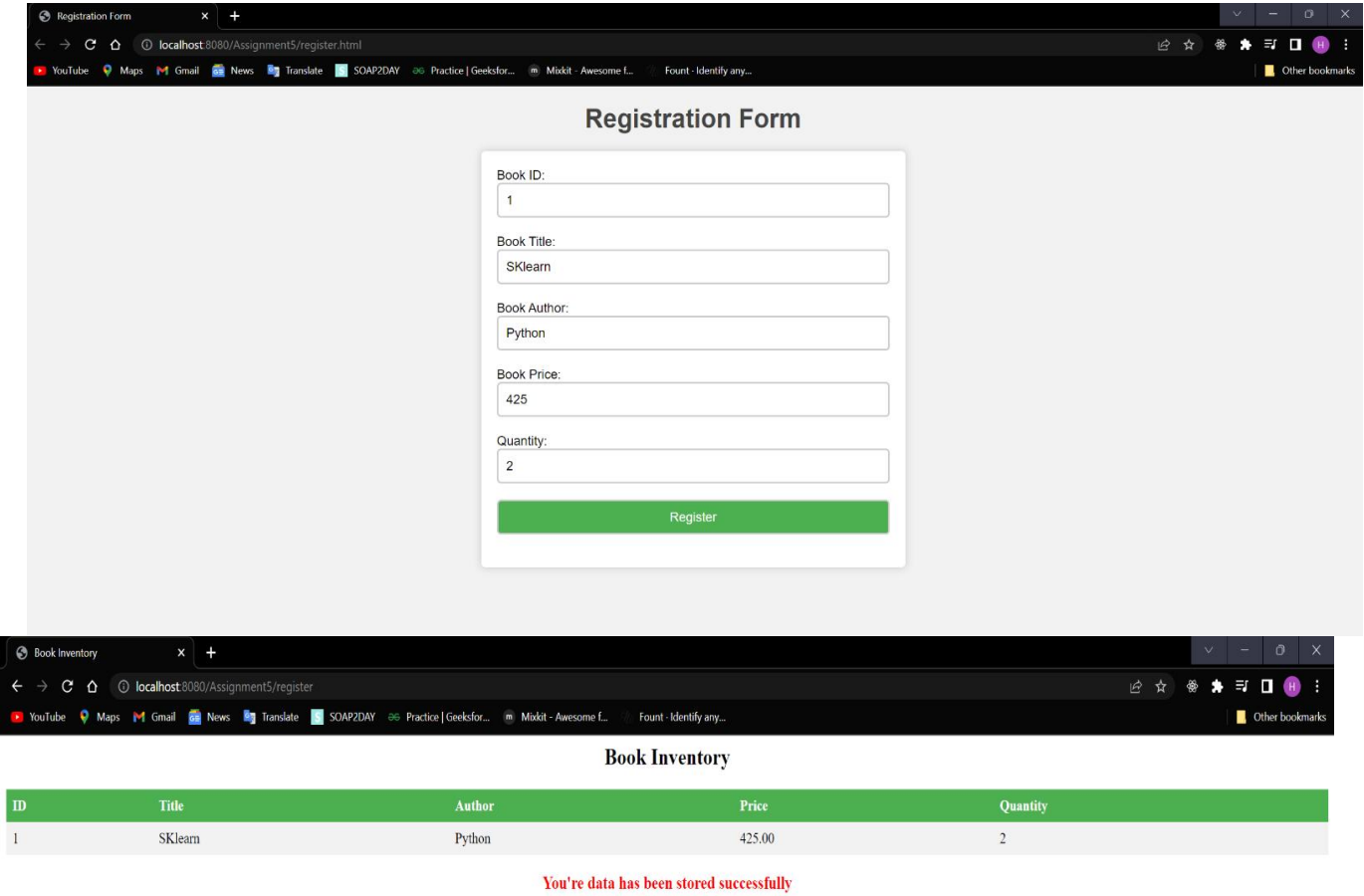
```


File Name: - Register.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Registration Form</title>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f2f2f2;
  }
  form {
    max-width: 500px;
    margin: 0 auto;
    padding: 20px;
    background-color: #ffffff;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
  }
  h1 {
    text-align: center;
    color: #444444;
  }
  h2 {
    text-align: center;
    color: #444444;
  }
  input[type="number"],
  input[type="text"],
  input[type="submit"] {
    display: block;
    width: 100%;
    padding: 10px;
    margin-bottom: 20px;
    border-radius: 3px;
    box-sizing: border-box;
    font-size: 16px;
    border: 2px solid #cccccc;
    border-radius: 5px;
    padding: 10px;
  }
  input[type="submit"] {
    background-color: #4CAF50;
    color: #ffffff;
    cursor: pointer;
  }
  input[type="submit"]:hover {
    background-color: #3e8e41;}
</style>
</head>
<body>
<h1>Registration Form</h1>
<form action="register" method="post">
  <label for="book_id">Book ID:</label>
```

```
<input type="number" name="book_id" required>
<label for="book_title">Book Title:</label>
<input type="text" name="book_title" required>
<label for="book_author">Book Author:</label>
<input type="text" name="book_author" required>
<label for="book_price">Book Price:</label>
<input type="number" name="book_price" required>
<label for="quantity">Quantity:</label>
<input type="number" name="quantity" required>
<input type="submit" value="Register">
</form>
</body>
</html>
```

Output: -



```
MySQL 8.0 Command Line Cli  x  +  v  -  □  x

Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.30 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use BookDB;
Database changed
mysql> select * from ebookshop;
+-----+-----+-----+-----+-----+
| book_id | book_title | book_author | book_price | quantity |
+-----+-----+-----+-----+-----+
|      1 | SKlearn   | Python     |    425.00 |         2 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> |
```

CODE: -

File Name: - studentinsert.jsp

```
<%@ page import="java.sql.*" %>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>Students Information</title>
    <style>
        table {border-collapse: collapse; width: 100%;}
        th, td {text-align: left; padding: 8px;}
        th {background-color: #4CAF50; color: white;}
        tr:nth-child(even) {background-color: #f2f2f2;}
    </style>
</head>
<body>
    <%
        String student_id = request.getParameter("student_id");
        String student_name = request.getParameter("student_name");
        String class_Name = request.getParameter("class_Name");
        String division = request.getParameter("division");
        String city = request.getParameter("city");

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/
                student", "root", "root");
            PreparedStatement ps = con.prepareStatement("insert into student_info
                values(?,?,?,?)");
            ps.setString(1, student_id);
            ps.setString(2, student_name);
            ps.setString(3, class_Name);
            ps.setString(4, division);
            ps.setString(5, city);
            int i = ps.executeUpdate();
            if (i > 0) {
                PreparedStatement ps1 = con.prepareStatement("SELECT * FROM
                    student_info");
                ResultSet rs = ps1.executeQuery();
                out.println("<h2 style='text-align: center;'>STUDENTS
                    INFORMATION</h2>");
                out.println("<table>");

                out.println("<tr><th>ID</th><th>NAME</th><th>CLASS</th><th>DIVISION</th><th>CITY</th></tr>
                    >");

                while (rs.next()) {
                    student_id = rs.getString("student_id");
                    student_name = rs.getString("student_name");
                    class_Name = rs.getString("class_Name");
                    division = rs.getString("division");
                    city = rs.getString("city");
                    out.println("<tr><td>" + student_id + "</td><td>" + student_name +
                        "</td><td>" + class_Name + "</td><td>" + division + "</td><td>" +
```

```

        city + "</td></tr>");
    }
    out.println("</table>");
    out.print("<h3 style=\"text-align: center; color: red\">Your data has been
        stored successfully</h3>");
    rs.close();
    ps1.close();
    con.close();
    }
} catch (Exception e) {
    out.println(e);
}
%>
</body>
</html>

```

File Name: - students.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Student Registration Form</title>
    <style>
        /* CSS styles for the form go here */
        /* Styles for the form */
form {
    max-width: 500px;
    margin: 0 auto;
    font-family: Arial, sans-serif;
    padding: 20px;
    background-color: #f5f5f5;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0,0,0,0.2);
}

h1 {
    text-align: center;
}

label {
    display: block;
    margin-bottom: 10px;
}

input[type="text"], input[type="number"], input[type="submit"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
    margin-bottom: 20px;
    box-sizing: border-box;
}

```

```
}

input[type="submit"] {
  background-color: #e6b225;
  color: black;
  border: none;
  cursor: pointer;
  font-size: 16px;
  margin-top: 20px;
}

input[type="submit"]:hover {
  background-color: #fcba03 ;
}

</style>
</head>
<body>
  <h1>Student Registration Form</h1>
  <form action="studentinsert.jsp" method="post">
    <label for="student_id">Student ID:</label>
    <input type="number" id="student_id" name="student_id" required><br>

    <label for="student_name">Student Name:</label>
    <input type="text" id="student_name" name="student_name" required><br>

    <label for="class">Class:</label>
    <input type="text" id="class_Name" name="class_Name" required><br>

    <label for="division">Division:</label>
    <input type="text" id="division" name="division" required><br>

    <label for="city">City:</label>
    <input type="text" id="city" name="city" required><br>

    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

Output: -

Student Registration Form

Student ID:

2

Student Name:

Riyan Pawar

Class:

TE

Division:

B

City:

Shivajinagar,Pune

Submit

| STUDENTS INFORMATION | | | | |
|----------------------|---------------|-------|----------|-------------------|
| ID | NAME | CLASS | DIVISION | CITY |
| 1 | Jurel Jaiswal | TE | A | Saniwar Peth,Pune |
| 2 | Riyan Pawar | TE | B | Shivajinagar,Pune |

Your data has been stored successfully

CODE: -

File Name: - update.php

```
<!doctype html>
<html lang="en">
<head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"
integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn"
crossorigin="anonymous">
    <title>PHP CRUD OPERATIONS</title>
</head>
<body>
    <?php
    //for sql connection
    $host = 'localhost:3306';
    $user = 'root';
    $pass = 'root';
    $dbname = 'student';
    $conn = mysqli_connect($host, $user, $pass, $dbname);
    if (!$conn) {
        die('Could not connect: ' . mysqli_connect_error());
    }
    ?>
    <!--Navbar-->
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
        <a class="navbar-brand text-success" style="font-weight:bold;">Student Database</a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarText" aria-
        controls="navbarText" aria-expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarText">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item active">
                    <a class="nav-link" href="index.php">Home <span class="sr-only">(current)</span></a>
                </li>
            </ul>
        </div>
    </nav>

    <div class="container-fluid">
```



```

<?php
    // Taking all 5 values from the form data(input)
    $name = $_REQUEST['name'];
    $id = $_REQUEST['id'];
    $roll = $_REQUEST['roll'];
    $class = $_REQUEST['class'];
    $address = $_REQUEST['address'];
    // Performing insert query execution
    $sql = "UPDATE studentdata SET id='$id',rollno='$roll',name='$name',class='$class',address='$address'
        WHERE id='$id'";
    if(mysqli_query($conn, $sql)){
        echo "<div class='alert alert-success' role='alert'>
        Update Successful Thank you !
        <a href='index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
        </div>";
    }else{
        echo "<div class='alert alert-danger' role='alert'>
        Try Again Something went wrong ! May Already Register
        <a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
        </div> ";
    }
    // Close connection
    mysqli_close($conn);
    ?>
</div>
<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-fQybjgWLrvvRgtW6bFIB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF"
crossorigin="anonymous"></script>
</body>
</html>

```

File Name: - student.sql

```

create database student;
use student;
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

CREATE TABLE `studentdata` (
  `id` int(11) NOT NULL,
  `rollno` int(50) NOT NULL,
  `name` varchar(100) NOT NULL,
  `class` varchar(100) NOT NULL,
  `address` varchar(200) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

```

```
INSERT INTO `studentdata` (`id`, `rollno`, `name`, `class`, `address`) VALUES  
(1, 45, 'Priya Khade', 'TE A', 'Somwar Peth');
```

```
ALTER TABLE `studentdata` ADD PRIMARY KEY (`id`);
```

```
ALTER TABLE `studentdata` MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;  
COMMIT;
```

```
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;  
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;  
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

File Name: - index.php

```
<!doctype html>  
<html lang="en">  
<head>  
  <!-- Required meta tags -->  
  <meta charset="utf-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
  <!-- Bootstrap CSS -->  
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"  
integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn"  
crossorigin="anonymous">  
  <title>PHP CRUD OPERATIONS</title>  
</head>  
<body>  
  <?php  
  //for sql connection  
  $host = 'localhost:3306';  
  $user = 'root';  
  $pass = 'root';  
  $dbname = 'student';  
  $conn = mysqli_connect($host, $user, $pass, $dbname);  
  if (!$conn) {  
    die('Could not connect: ' . mysqli_connect_error());  
  }  
  $sql = "SELECT * FROM studentdata";  
  $retval = mysqli_query($conn, $sql);  
  ?>  
  <!--Navbar-->  
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">  
    <a class="navbar-brand text-success" style="font-weight:bold;">Student Database</a>  
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarText" aria-  
controls="navbarText" aria-expanded="false" aria-label="Toggle navigation">  
      <span class="navbar-toggler-icon"></span>  
    </button>  
    <div class="collapse navbar-collapse" id="navbarText">  
      <ul class="navbar-nav mr-auto">  
        <li class="nav-item active">  
          <a class="nav-link" href="index.php">Home <span class="sr-only">(current)</span></a>  
        </li>  
      </ul>  
      <td><button type="button" data-toggle="modal" data-target="#exampleModal" class="btn btn-
```

```

outline-success" >Add</button></td>
</div>
</nav>
<!-->
<div class="container mt-2">
  <table class="table table-bordered">
    <thead class="thead-dark">
      <tr>
        <th scope="col">student Id</th>
        <th scope="col">Roll No</th>
        <th scope="col">Name</th>
        <th scope="col">Class(FE,TE,BE)</th>
        <th scope="col">Address</th>
        <th scope="col">Update</th>
        <th scope="col">Delete</th>
      </tr>
    </thead>
    <tbody>
      <?php
      if (mysqli_num_rows($retval) > 0) {
        while ($row = mysqli_fetch_assoc($retval)) {
          ?>
          <tr>
            <td><?php echo $row['id'] ?? ''; ?></td>
            <td><?php echo $row['rollno']; ?></td>
            <td><?php echo $row['name']; ?></td>
            <td><?php echo $row['class']; ?></td>
            <td><?php echo $row['address']; ?></td>
            <td><button type="button" data-toggle="modal" data-target="#exampleModal2"
class="btn btn-outline-success" >Update</button></td>
            <td><button type="button" data-toggle="modal" data-target="#exampleModal1"
class="btn btn-outline-success" >Delete</button></td>
          </tr>
        <?php }
      } else {
        echo "<div class='alert alert-warning alert-dismissible fade show' role='alert'>
<strong>Data Not Found!</strong>
<button type='button' class='close' data-dismiss='alert' aria-label='Close'>
  <span aria-hidden='true'>&times;</span>
</button>
</div>";
      }
    <?php }
  </tbody>
</table>
</div>
<!--Add-->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-
hidden="true">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title" id="exampleModalLabel">Add Student</h5>
        <button type="button" class="close" data-dismiss="modal" aria-label="Close">

```

```

        <span aria-hidden="true">&times;</span>
    </button>
</div>
<div class="modal-body">
<form action="Add.php" method="post">
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">ID:</label>
        <input type="number" class="form-control" name="id">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Roll Number:</label>
        <input type="number" class="form-control" name="roll">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Name:</label>
        <input type="text" class="form-control" name="name">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Class:</label>
        <input type="text" class="form-control" name="class">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Address:</label>
        <input type="text" class="form-control" name="address">
    </div>
    <button type="submit" class="btn btn-primary" name="adminlogin">Add Student</button>
</form>
</div>
<div class="modal-footer">
    <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>
</div>
</div>
</div>

```

```

<!--update-->
<div class="modal fade" id="exampleModal2" tabindex="-1" aria-labelledby="exampleModalLabel" aria-
hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModalLabel">Update Student</h5>
                <button type="button" class="close" data-dismiss="modal" aria-label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">
                <form action="update.php" method="post">
                    <div class="form-group">
                        <label for="recipient-name" class="col-form-label">ID:</label>
                        <input type="number" class="form-control" name="id">
                    </div>
                    <div class="form-group">

```

```

        <label for="recipient-name" class="col-form-label">Roll Number:</label>
        <input type="number" class="form-control" name="roll">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Name:</label>
        <input type="text" class="form-control" name="name">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Class:</label>
        <input type="text" class="form-control" name="class">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Address:</label>
        <input type="text" class="form-control" name="address">
    </div>
    <button type="submit" class="btn btn-primary" name="adminlogin">Add Student</button>
</form>
</div>
<div class="modal-footer">
    <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>

```

```

<!--Delete-->
<div class="modal fade" id="exampleModal1" tabindex="-1" aria-labelledby="exampleModalLabel" aria-
hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModalLabel">Delete</h5>
                <button type="button" class="close" data-dismiss="modal" aria-label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">
                <form action="delete.php" method="post">
                    <div class="form-group">
                        <label for="recipient-name" class="col-form-label">ID:</label>
                        <input type="number" class="form-control" name="id">
                    </div>

                    <button type="submit" class="btn btn-primary" name="adminlogin">Delete</button>
                </form>
            </div>
            <div class="modal-footer">
                <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
            </div>
        </div>
    </div>
</div>
<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-

```

```

DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-fQybjgWLrvvRgtW6bFIB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF"
crossorigin="anonymous"></script>
</body>
</html>

```

File Name: - delete.php

```

<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <!-- Bootstrap CSS -->
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"
integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn"
crossorigin="anonymous">
  <title>PHP CRUD OPERATIONS</title>
</head>
<body>
  <?php
  //for sql connection
  $host = 'localhost:3306';
  $user = 'root';
  $pass = 'root';
  $dbname = 'student';
  $conn = mysqli_connect($host, $user, $pass, $dbname);
  if (!$conn) {
    die('Could not connect: ' . mysqli_connect_error());
  }
  ?>
  <!--Navbar-->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <a class="navbar-brand text-success" style="font-weight:bold;">Student Database</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarText" aria-
controls="navbarText" aria-expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarText">
      <ul class="navbar-nav mr-auto">
        <li class="nav-item active">
          <a class="nav-link" href="index.php">Home <span class="sr-only">(current)</span></a>
        </li>
      </ul>
    </div>
  </nav>
  <div class="container-fluid">
    <?php
    // Taking all 5 values from the form data(input)
    $id = $_REQUEST['id'];
    // Performing insert query execution

```

```

        $sql = "DELETE FROM studentdata WHERE id='$id'";
        if(mysqli_query($conn, $sql)){
            echo "<div class='alert alert-success' role='alert'>
Delete Successful Thank you !
<a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
</div>";
        }else{
            echo "<div class='alert alert-danger' role='alert'>
Try Again Something went wrong ! May Already Register
<a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
</div> ";
        }
    // Close connection
    mysqli_close($conn);
    ?>
</div>
<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-fQybjgWLrvvRgtW6bFIB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF"
crossorigin="anonymous"></script>
</body>
</html>

```

File Name: - Add.php

```

<!doctype html>
<html lang="en">
<head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"
    integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn"
    crossorigin="anonymous">
    <title>PHP CRUD OPERATIONS</title>
</head>
<body>
    <?php
    //for sql connection
    $host = 'localhost:3306';
    $user = 'root';
    $pass = 'root';
    $dbname = 'student';
    $conn = mysqli_connect($host, $user, $pass, $dbname);
    if (!$conn) {
        die('Could not connect: ' . mysqli_connect_error());
    }
    ?>
    <!--Navbar-->
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
        <a class="navbar-brand text-success" style="font-weight:bold;">Student Database</a>

```

```

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarText" aria-
controls="navbarText" aria-expanded="false" aria-label="Toggle navigation">
  <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarText">
  <ul class="navbar-nav mr-auto">
    <li class="nav-item active">
      <a class="nav-link" href="index.php">Home <span class="sr-only">(current)</span></a>
    </li>
  </ul>
</div>
</nav>
<div class="container-fluid">
  <?php
  // Taking all 5 values from the form data(input)
  $name = $_REQUEST['name'];
  $id = $_REQUEST['id'];
  $roll = $_REQUEST['roll'];
  $class = $_REQUEST['class'];
  $address = $_REQUEST['address'];
  // Performing insert query execution
  $sql = "INSERT INTO studentdata VALUES ('$id','$roll','$name','$class','$address')";
  if(mysqli_query($conn, $sql)){
    echo "<div class='alert alert-success' role='alert'>
    Add Successful Thank you !
    <a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
    </div>";
  }else{
    echo "<div class='alert alert-danger' role='alert'>
    Try Again Something went wrong ! May Already Register
    <a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
    </div> ";
  }
  // Close connection
  mysqli_close($conn);
  ?>
</div>
<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-fQybjgWLrvvRgtW6bFIB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF"
crossorigin="anonymous"></script>
</body>
</html>

```


Output:

Student Database

Home

Add

Data Not Found!

| student Id | Roll No |
|------------|---------|
|------------|---------|

Add Student

ID:

1

Roll Number:

59

Name:

Deep Admane

Class:

TE

Address:

Pune

Add Student

Close

Student Database

Home

Add

| student Id | Roll No | Name | Class(FE,TE,BE) | Address | Update | Delete |
|------------|---------|-------------|-----------------|---------|-------------------|-------------------|
| 1 | 59 | Deep Admane | TE | Pune | <div>Update</div> | <div>Delete</div> |

Student Database

Home

Add

| student Id | Roll No | Name |
|------------|---------|-------------|
| 1 | 59 | Deep Admane |
| 2 | 23 | Yash Ghule |

Update Student

ID:

1

Roll Number:

59

Name:

Deep Admane

Class:

BE

Address:

Nagpur

Add Student

Close

| Update | Delete |
|-------------------|-------------------|
| <div>Update</div> | <div>Delete</div> |
| <div>Update</div> | <div>Delete</div> |

Student Database

Home

Add

| student Id | Roll No | Name | Class(FE,TE,BE) | Address | Update | Delete |
|------------|---------|-------------|-----------------|---------|-------------------|-------------------|
| 1 | 59 | Deep Admane | BE | Nagpur | <div>Update</div> | <div>Delete</div> |
| 2 | 23 | Yash Ghule | SE | Nagpur | <div>Update</div> | <div>Delete</div> |

Code:-

File Name: - struts.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE struts-config PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration 1.3//EN"
    "http://struts.apache.org/dtds/struts-config_1_3.dtd">
<struts-config>
    <form-beans>
        <form-bean name="LoginForm" type="com.example.struts.LoginForm"/>
    </form-beans>

    <action-mappings>
        <action path="/login" type="com.example.struts.LoginAction" name="LoginForm"
validate="true" input="/login.jsp">
            <forward name="success" path="/success.jsp"/>
        </action>
    </action-mappings>
    <message-resources parameter="com.example.struts.ApplicationResources"/>
</struts-config>
```

File Name: - web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="3.1" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-
app_3_1.xsd">
    <filter>
        <filter-name>Login Validation</filter-name>
        <filter-class>org.apache.struts2.dispatcher.FilterDispatcher</filter-class>
    </filter>
    <filter-mapping>
        <filter-name>struts2</filter-name>
        <url-pattern>/*</url-pattern>
    </filter-mapping>
    <welcome-file-list>
        <welcome-file>login.jsp</welcome-file>
    </welcome-file-list>
</web-app>
```

File Name: - LoginAction.java

```
package com.myapp.struts;
import javax.servlet.http.HttpServletRequest;
import org.apache.struts.action.ActionErrors;
import org.apache.struts.action.ActionMapping;
import com.opensymphony.xwork2.ActionSupport;
import org.apache.struts.action.ActionMessage;
public class LoginAction extends ActionSupport {

    private String name;
    private String mobileno;
    private String email;

    public String getMobileno() {
        return mobileno;
    }

    public void setMobileno(String mobileno) {
        this.mobileno = mobileno;
    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }

    public String getName() {
        return name;
    }

    public void setName(String string) {
        name = string;
    }

    public LoginAction() {
        super();
    }

    public ActionErrors validate(ActionMapping mapping, HttpServletRequest request) {
        ActionErrors errors = new ActionErrors();

        if (name == null || name.trim().equals("")) {
            errors.add("name", new ActionMessage("error.name.required"));
        } else if (!name.matches("[a-zA-Z ]+")) {
            errors.add("name", new ActionMessage("error.name.invalid"));
        }

        if (mobileno == null || mobileno.trim().equals("")) {
            errors.add("mobile", new ActionMessage("error.mobile.required"));
        } else if (!mobileno.matches("\\d{10}")) {
            errors.add("mobile", new ActionMessage("error.mobile.invalid"));
        }
    }
}
```

```

        errors.add("mobile", new ActionMessage("error.mobile.invalid"));
    }

    if (email == null || email.trim().equals("")) {
        errors.add("email", new ActionMessage("error.email.required"));
    } else if (!email.matches("[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\\.[a-zA-Z]{2,}")) {
        errors.add("email", new ActionMessage("error.email.invalid"));
    }

    return errors;
}
}

```

File Name: - success.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Success Page</title>
    </head>
    <body style="text-align:center; margin-top: 10%">
        <h1>Login Successful</h1>
    </body>
</html>

```

File Name: - login.jsp

```

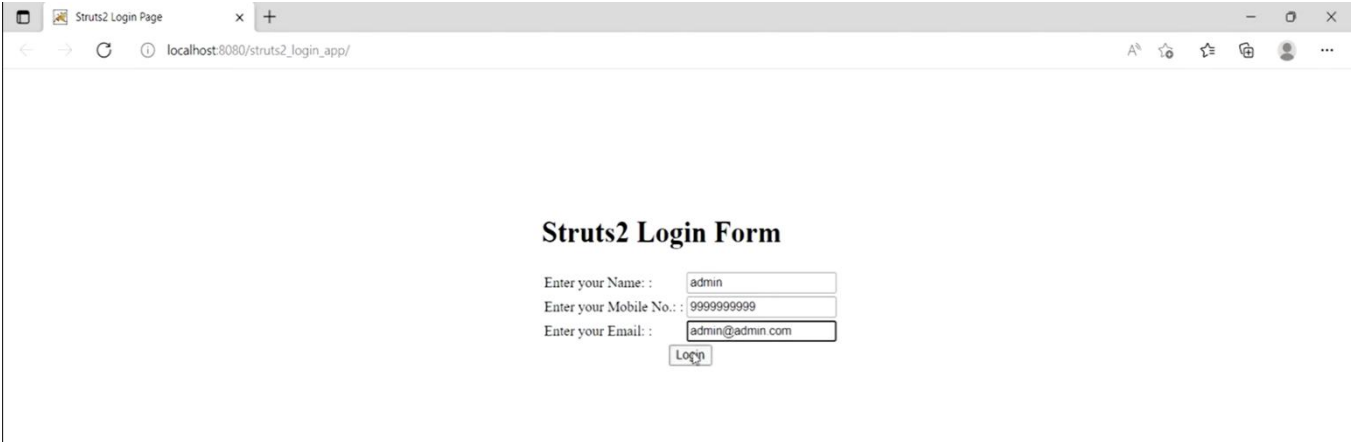
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Login Page</title>
    </head>
    <body style="margin-left: 40%; margin-top: 10%">
        <h1>Login Form</h1>
        <s:form action="login_action">
            <s:textfield name="name" label="Enter your Name: "/>
            <s:textfield name="mobilenno" label="Enter your Mobile No: "/>
            <s:textfield name="email" label="Enter your Email: "/>
            <s:submit value="Login" align="center"/>
        </s:form>
    </body>
</html>

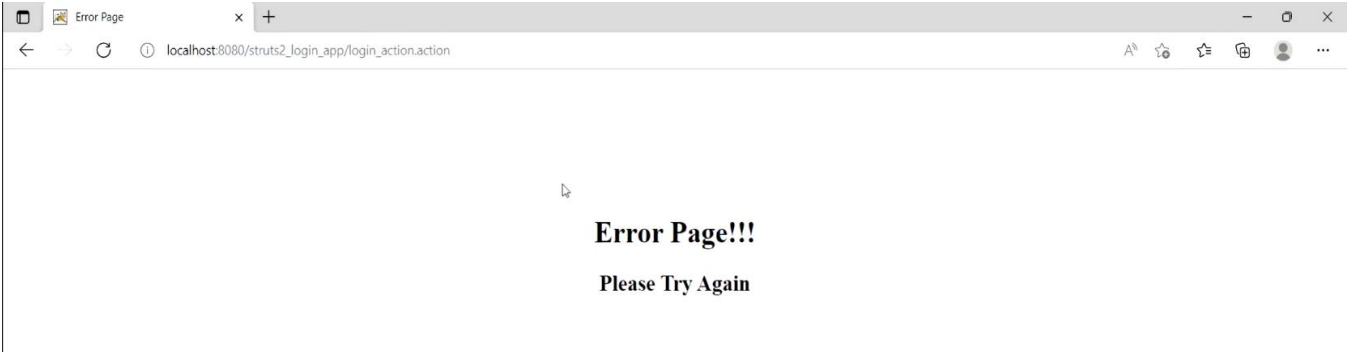
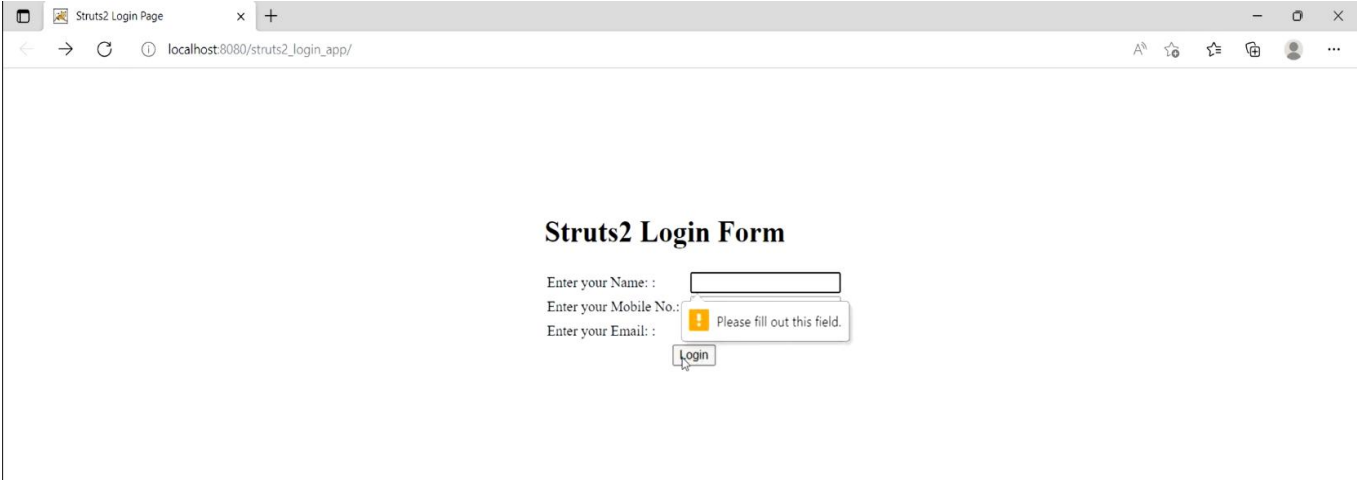
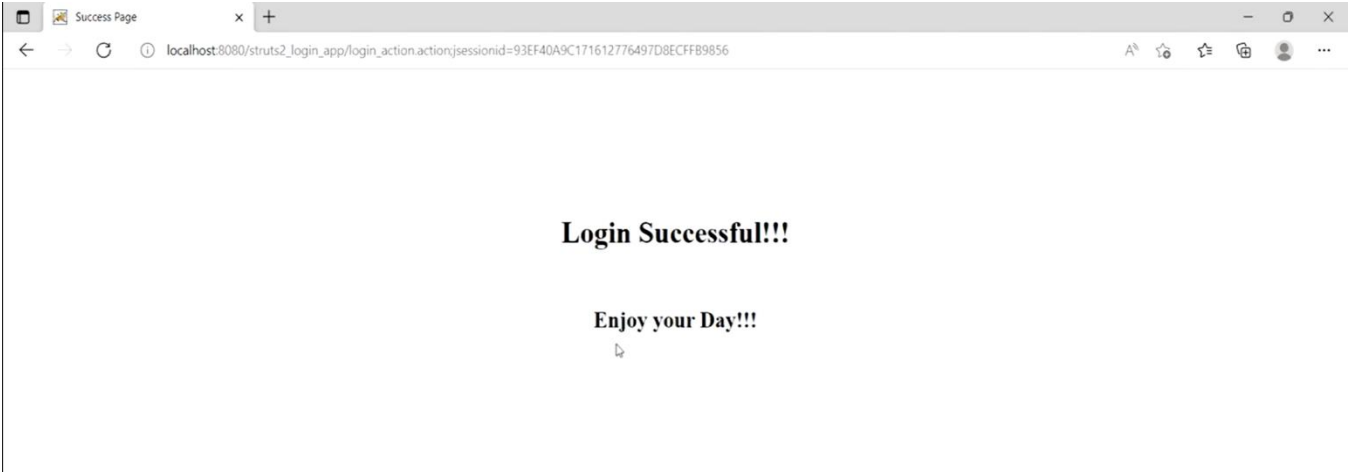
```

File Name: - error.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Error Page</title>
  </head>
  <body style="text-align:center; margin-top: 10%">
    <h1>Error Page</h1>
  </body>
</html>
```

Output:





CODE: -

File Name: - index.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Assignment-9</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.2.26/angular.min.js"></script>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css">
  <script src="app.js"></script>
</head>
<body>
  <div ng-app = "myApp" class = "container" style="width:550px">
    <div style="text-align:center;color:rgb(15, 15, 15);background-color: rgb(202, 226, 248);">
      <h3><b>Registraion Form</b></h3>
    </div>
    <div ng-controller = "ContactController">
      <div align="right">
        <a href="#" ng-click="searchUser()">{{title}}</a>
      </div>
      <form role = "form" class="well" ng-hide="ifSearchUser">
        <div class = "form-group">
          <label for = "name"> Name: </label>
          <input type = "text" id = "name" class = "form-control" placeholder = "Enter
            Name " ng-model = "newcontact.name">
        </div>
        <div class = "form-group">
          <label for = "email"> Email: </label>
          <input type = "email" id = "email" class = "form-control" placeholder = "Enter
            Email " ng-model = "newcontact.email">
        </div>
        <div class = "form-group">
          <label for = "password"> Password: </label>
          <input type = "password" id = "password" class = "form-control" placeholder
            = "Enter Password " ng-model = "newcontact.password">
        </div>
        <div class = "form-group">
          <label for = "phone"> Phone: </label>
          <input type = "text" id = "phone" class = "form-control" placeholder = "Enter
            Phone " ng-model = "newcontact.phone">
        </div>
        <div class = "form-group">
          <label for = "age"> Age: </label>
          <input type = "text" id = "age" class = "form-control" placeholder = "Enter
            Age " ng-model = "newcontact.age">
        </div>
        <br>
        <input type="hidden" ng-model="newcontact.id">
        <input type="button" class="btn btn-primary" ng-click="saveContact()" class="btn
          btn-primary" value = "Submit">
      </form>
    </div>
  </div>
</body>
</html>
```

```
</form>
```

```
<div><h4><b>Registered Users</b></h4>
```

```
<table ng-if="contacts.length" class = "table table-striped table-bordered table-  
hover">
```

```
<thead>
```

```
<tr class = "info">
```

```
<th>Name</th>
```

```
<th>Email</th>
```

```
<th>Phone</th>
```

```
<th>Age</th>
```

```
<th ng-if="!ifSearchUser">Action</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
<tr ng-repeat = "contact in contacts">
```

```
<td>{{ contact.name }}</td>
```

```
<td>{{ contact.email }}</td>
```

```
<td>{{ contact.phone }}</td>
```

```
<td>{{ contact.age }}</td>
```

```
<td ng-if="!ifSearchUser">
```

```
<a href="#" ng-click="edit(contact.id)" role = "button" class = "btn btn-  
info">edit</a> &nbsp;
```

```
<a href="#" ng-click="delete(contact.id)" role = "button" class = "btn btn-  
danger">delete</a>
```

```
</td>
```

```
</tr>
```

```
</tbody>
```

```
</table>
```

```
<div ng-hide="contacts.length > 0">No Users Found</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</body> </html>
```

File Name: - app.js

```
var myApp = angular.module("myApp", []);
```

```
myApp.service("ContactService" , function(){
```

```
var uid = 1;
```

```
var contacts = [{
```

```
'id' : 0,
```

```
'name' : 'Soham Rajput',
```

```
'email' : 'sohamrjp@gmail.com',
```

```
'password': 'Soham@112',
```

```
'phone' : '7821923100',
```

```
'age' : '20'}];
```

```
this.save = function(contact)
```

```
{
```

```
if(contact.id == null)
```

```
{ contact.id = uid
```

```
contacts.push(contact);
```

```
}
```

```
else
```



```

        {
            for(var i in contacts)
            {
                if(contacts[i].id == contact.id)
                {
                    contacts[i] = contact;
                }
            }
        }
    };

    this.get = function(id)
    {
        for(var i in contacts )
        {
            if( contacts[i].id == id)
            {
                return contacts[i];
            }
        }
    };

    this.delete = function(id)
    {
        for(var i in contacts)
        {
            if(contacts[i].id == id)
            {
                contacts.splice(i,1);
            }
        }
    };

    this.list = function()
    {
        return contacts;
    };
});

myApp.controller("ContactController" , function($scope , ContactService){
    console.clear();

    $scope.ifSearchUser = false;
    $scope.title ="List of Users";

    $scope.contacts = ContactService.list();

    $scope.saveContact = function()
    {
        console.log($scope.newcontact);
        if($scope.newcontact == null || $scope.newcontact == angular.undefined)
            return;
        ContactService.save($scope.newcontact);
        $scope.newcontact = {};
    };
    $scope.delete = function(id)
    {
        ContactService.delete(id);
        if($scope.newcontact != angular.undefined && $scope.newcontact.id == id)
        {
            $scope.newcontact = {};
        }
    };
});

```

```
$scope.edit = function(id)
{
    $scope.newcontact = angular.copy(ContactService.get(id));
};
$scope.searchUser = function(){
    if($scope.title == "List of Users"){
        $scope.ifSearchUser=true;
        $scope.title = "Back";
    }
    else
    {
        $scope.ifSearchUser = false;
        $scope.title = "List of Users";
    }
};
});
```

Output:

Registraion Form

List of Users

Name:

Enter Name

Email:

Enter Email

Password:

Enter Password

Phone:

Enter Phone

Age:

Enter Age

Submit

Registered Users

| Name | Email | Phone | Age | Action |
|--------------|----------------------|------------|-----|-----------------------------------|
| Soham Rajput | sohamrjp@gmail.com | 7821923100 | 20 | <div>edit</div> <div>delete</div> |
| Ram Bugul | rambugul07@gmail.com | 9909389431 | 22 | <div>edit</div> <div>delete</div> |

Registraion Form

List of Users

Name:

Ram Bugul

Email:

rambugul07@gmail.com

Password:

Phone:

9909389431

Age:

22

Submit

Registered Users

| Name | Email | Phone | Age | Action |
|--------------|--------------------|------------|-----|-----------------------------------|
| Soham Rajput | sohamrjp@gmail.com | 7821923100 | 20 | <div>edit</div> <div>delete</div> |

Registraion Form

[Back](#)

Registered Users

| Name | Email | Phone | Age |
|--------------|----------------------|------------|-----|
| Soham Rajput | sohamrjp@gmail.com | 7821923100 | 20 |
| Ram Bugul | rambugul07@gmail.com | 9909389431 | 22 |

Code:-

Index.html

```
<html>
    <head>
        <title>Implement Bank Application using EJB</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body>
        <form method="post" action="transact">
            <h1>Bank Application using EJB </h1>
            Enter Amount : <input type="text" name="t1" />
            <h3>Select option</h3>
            <input type="radio" name="transaction" value="deposit" />Deposit<br/>
            <input type="radio" name="transaction" value="withdraw" />Withdraw<br/>
            <input type="submit" value="submit" />
        </form>
    </body>
</html>
```

transact.java

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class transact extends HttpServlet {
    protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
    {
        response.setContentType("text/html;charset=UTF-8");
        try
        {
            PrintWriter out = response.getWriter();
            String selectdType=request.getParameter("transact");
            int amount=Integer.parseInt(request.getParameter("t1"));
            if(selectdType.equals("deposit"))
            {
                bankTransact.deposit(amount);
            }
            if(selectdType.equals("withdraw"))
            {
                int amt=bankTransact.withdraw(amount);
                out.println(amount+"successfully withdraw. Your Balance is: Rs"+ amt)
            }
        }
    }
}
private BankTransactLocal lookupBankTransactLocal()
{
    try
    {
        Context c= New initialContext();
        return(BankTransactLocal)c.Lookup("java.global/Bank/Bank-ejb/BankTransact!Bankexamp.Bank/Bank-
            ejb/BankTransactLocal")
    }
    catch (NamingException ne)
```

```

{
    Logger.getLogger(getClass().getName()).log(Level.SEVERE,"exception caught",ne))
    throw new RuntimeException(ne);
}
}

```

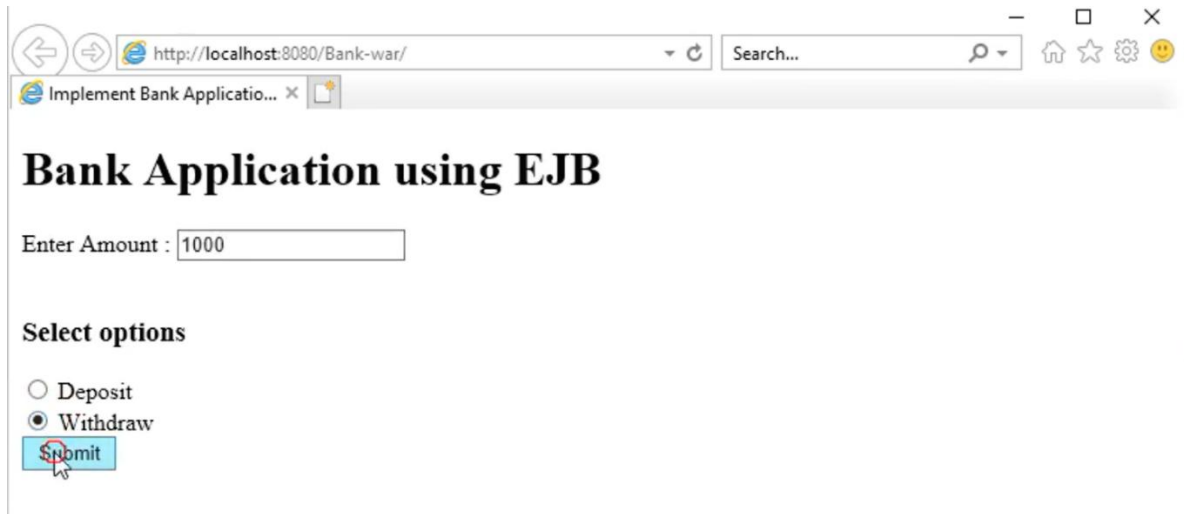
BankTransact.java

```

package bankexamp;
import javax.ejb.Stateful;
@Stateful
public class BankTransact implements BankTransactLocal{
    int balance=10000;
    @Override
    public int deposit (int amount){
        balance=balance+amount;
        return balance;
    }
    @Override
    public int withdraw (int amount){
        balance=balance-amount;
        return balance;
    }
}

```

Output:



Bank Application using EJB

Enter Amount :

Select options

☐ Deposit

☒ Withdraw



1000 successfully Withdrawn. Your Balance is : Rs.9000