

SPPU-BE-COMP-CONTENT - KSKA Git

Q1>

ANS.

What do you understand by BI?

Business Intelligence (BI) is a set of technological processes for collecting, managing and analyzing organizational data to yield insights that inform business strategies and operations. It is used to analyze data and turn it into actionable insights and make data-driven, strategic decisions.

Business Intelligence is of descriptive nature, unlike business Analytics, which often focuses on predictive modelling, BI is primarily descriptive answering questions

"What Happened?" and "What is happening now?" to provide a clear, current picture of business performance.

Data Cycle of BI involves:-

- i) Gathering Data (often in a Data Warehouse)
- ii) Analyzing it (Using Data Mining and OLAP.)
- iii) Visualizing it (via dashboards)

Q2>

What is PowerBI?

ANS.

Power BI is a Data Visualization and Business Intelligence tool that converts data from different data sources to interactive dashboards and BI Reports.

PowerBI suite provides multiple software, connector, and services. PowerBI Desktop, PowerBI service based on SaaS, and mobile PowerBI app available for different platforms.

These set of services are used by business users to consume data and build BI Reports.

COMPONENTS OF powerBI include:-

1. Power Query

- Allows user to connect to different data sources and imports it. It helps you clean, transform and shape imported data.

SPPU-BE-COMP-CONTENT – KSKA Git

2. Power View

It helps you create visuals and report by simply dragging and dropping data fields.

3. Power Map

It is used when data includes geographical locations like countries, cities or coordinates, and allows creating 3-D Maps that let you view data based on location.

Q3. >

ANS.

What are the Essential Application that use Power BI?

The Essential Application of Microsoft Power BI are: -

1. Power BI Desktop

Used by developers and Analysts to connect data source, transform data, create reports/visualizations.

2. PowerBI Service (PowerBI.com)

A cloud based Application used to publish, share and collaborate on reports and dashboards created in

3. PowerBI Desktops

3. PowerBI Mobile Applications

Mobile apps available for Android, iOS and Windows that allow users to view and interact with reports and dashboards anytime.

Q4. >

In How many Formats, PowerBI is available in the Market?

ANS.

PowerBI is primarily available in four major Formats:-

1. PowerBI Desktop:-

A Free, Windows based application used by data analysts and developers to connect to data, transform it, and create reports.

SPPU-BE-COMP-CONTENT – KSKA Git

2. PowerBI service(SaaS):-

A cloud based online service used for publishing, sharing reports and Dashboards.

3. PowerBI Mobile :-

Apps available for iOS, Android and Windows devices, Optimized for viewing reports and dashboards on the go.

4. PowerBI Report Server/ Embedded:-

- Report Server: An On-premise solution for orgs that need to keep their reports within their own Firewalls.

Q5> What do you mean by the term Power BI Desktop?

ANS.

- Power BI Desktop is a Windows-based application used to create and design BI Reports.
- It allows users to connect to multiple data sources.
- Data can be cleaned, transformed and modeled using Power Query and Data-Model tools.
- It allows users to create interactive visualization such as charts, tables and dashboards.
- Reports created in PowerBI Desktop can be published to PowerBI service for collaboration.