

**Modern Education Society's
College of Engineering, Pune**

NAME OF STUDENT:	CLASS:
SEMESTER/YEAR:	ROLL NO:
DATE OF PERFORMANCE:	DATE OF SUBMISSION:
EXAMINED BY:	EXPERIMENT NO: DSL A-02

TITLE: PERFORM VARIOUS OPERATIONS ON ARRAY

PROBLEM STATEMENT: Write a Python program to store marks scored in subject "Fundamental of Data Structure" by N students in the class. Write functions to compute following:

- a) The average score of class
- b) Highest score and lowest score of class
- c) Count of students who were absent for the test
- d) Display mark with highest frequency

OBJECTIVES:

1. To understand structure of Array.
2. To understand how create, display and perform various operations on array.

OUTCOMES:

1. To analyze the problems to apply suitable algorithm and data structure.
2. To discriminate the usage of various data structures in approaching the problem solution.
3. To understand concept of linear data structure

PRE-REQUISITES:

1. Knowledge of python programming
2. Knowledge of array data structure

APPARATUS:

1. OS: Ubuntu 18.04.2 LTS
2. Processor: Intel® Core™ i7-4790S CPU
3. Graphics: GeForce GT 610/PCIe/SSE2
4. Storage: 400 GB
5. Text Editor: gedit
6. Compiler: python3
7. Terminal

QUESTIONS:

1. What is static and dynamic memory allocation
2. Explain difference between list and array in python with an example.