NAME OF STUDENT:	CLASS:
SEMESTER/YEAR:	ROLL NO:
DATE OF PERFORMANCE:	DATE OF SUBMISSION:
EXAMINED BY:	EXPERIMENT NO: DSL B-11

TITLE : SEARCHING OPERATIONS

PROBLEM STATEMENT :

a) Write a Python program to store roll numbers of student in array who attended training program in random order. Write function for searching whether particular student attended training program or not, using Linear search and Sentinel search.

b) Write a Python program to store roll numbers of student array who attended training program in sorted order. Write function for searching whether particular student attended training program or not, using Binary search and Fibonacci search

OBJECTIVES :

1. To understand structure of Array.

2. To understand How to search given key using different searching operations.

OUTCOME :

1. To operate on the various structured data.

2. To analyze the problem to apply suitable algorithm and data structure.

PRE-REQUISITES :

1. Knowledge of Python Programming

2. Knowledge of searching methods and array.

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. Compare all searching algorithms with its time complexity.(Write answer in tabular format)