CS23302 – DATA STRUCTURES LABORATORY

III SEM – P BATCH

PRACTICE SESSION -1 **DATE: 2.7.26**

1. Write a C program to create one dimensional array and perform the following operations
   - **a.** Insert elements - **keep the array sorted after every insertion**
   - **b.** Delete elements
   - **c.** Dynamically resize the array when full
2. Create a structure called with the following definition:

```
Struct student {
        int rollno;
        char * name;
        float mark;
         };
```

Develop a menu driven C program to manage an array of student records to implement the following functions:

a. Insert a record (no duplicate roll numbers allowed)
b. Delete a record
c. Search by roll number(print the number of compraions made)
d. Update mark
e. Display topper
f. Sort by marks
g. Display student details