VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belgavi – 590018.

Report on

1. "Write a program in C to read student details like name, USN, marks scored in all subjects find the highest and lowest marks secured by a student with subject name"

Submitted in partial fulfillment of the requirements of the award of degree of

BACHELOR OF ENGINEERING
IN
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Submitted By:

Krashna Sirmundi
1SJ24AD022

UNDER THE GUIDANCE OF

SANDHYA R
ASSISTANT PROFESSOR
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE, SJCIT

SJC INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE, CHICKBALLAPUR-562102

Write a program in C to read student details like name, USN, marks scored in all subjects find the highest and lowest marks secured by a student with subject name

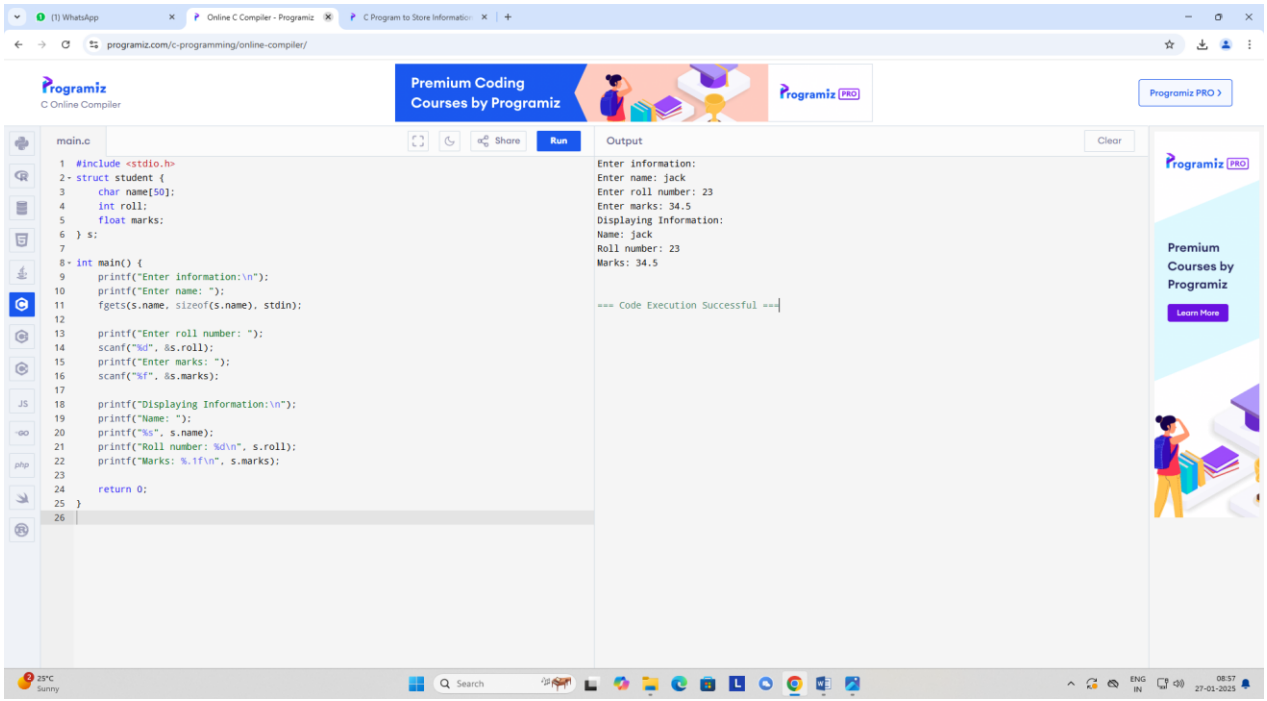
Problem solving Technique: This C program displays the details of the student such as name , USN, marks scored in all subjects and the highest and lowest marks secured by a student.

```
#include <stdio.h>
struct student {
    char name[50];
    int roll;
    float marks;
} s;

int main() {
    printf("Enter information:\n");
    printf("Enter name: ");
    fgets(s.name, sizeof(s.name), stdin);

    printf("Enter roll number: ");
    scanf("%d", &s.roll);
    printf("Enter marks: ");
    scanf("%f", &s.marks);

    printf("Displaying Information:\n");
    printf("Name: ");
    printf("%s", s.name);
    printf("Roll number: %d\n", s.roll);
    printf("Marks: %.1f\n", s.marks);
```

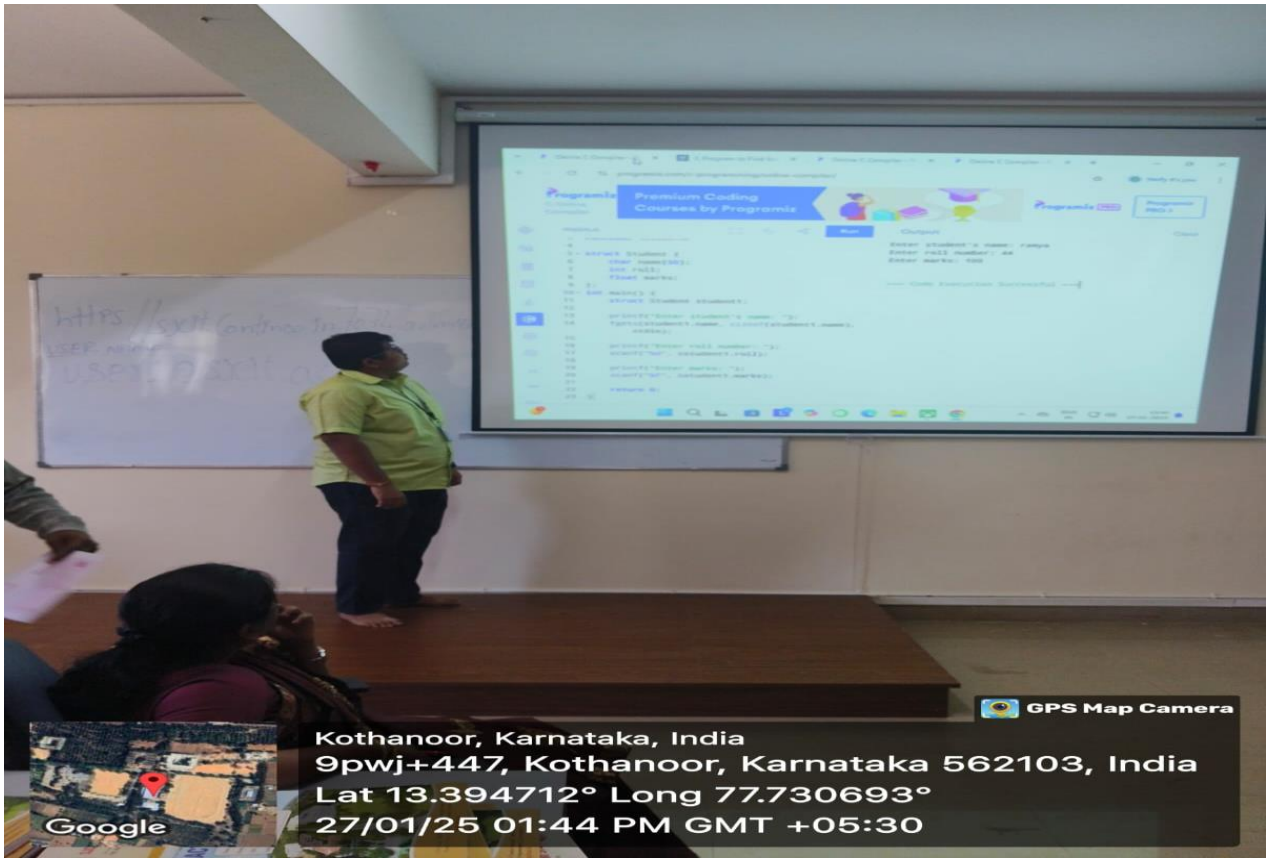
```
    return 0;
}
```

Output:

```
Enter information:
Enter name: Jack
Enter roll number: 23
Enter marks: 34.5
Displaying information:
Name: Jack
R0oll number:23
Marks:34.5
```



Snapshot of the program



Presentation of the program

Course outcomes:

1. Apply logical skills to solve the engineering problems using C programming constructs.
2. Demonstrate the use of Operators & Expressions, Decision Making and Looping Statements.
3. Explore Storage Classes, User-Defined Functions and Arrays in Implementing Solutions to Real world Problems.
4. Illustrate the usage of Strings and Pointers in Problem Solving.
5. Demonstrate the use of Modular Programming Constructs involving Files, Structure & Unions.

This Problem statement is mapped to the following CO's and PO's:

Mapped CO	PO

Particular	**Presentation (2M)**	**Program design (3M)**	**Questionnaires (2M)**	**Report (3M)**	**Total (10M)**	**Signature**
Subject Teacher Marks						
Reviewer Marks						