

**DEPARTMENT OF BASIC SCIENCE AND HUMANITITES**

**INSTITUTE OF ENGINEERING AND MANAGEMENT, KOLKATA**

“Student Management System”

**Submitted by :-**

**Name of the Student:** Dibakar Kundu

**Enrolment Number:** 12022002004047

**Section:** J

**Class Roll Number:** 33

**Stream:** Information Technology (IT)

**Subject:** Programming for Problem solving using C

**Subject Code:** ESC103(Pr.)

**Department:** Basic Science and Humanities (BSH)

## Under the supervision of:- Prof. Swarnendu Ghosh

**Academic Year: 2022-26**

(PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE

### REQUIREMENTS FOR THE FIRST SEMESTER)



## CERTIFICATE OF RECOMMENDATION

We hereby recommend that the project prepared under our supervision by **Dibakar Kundu**,entitled ***“****Student Management System****”*** be accepted in partial fulfilment of the requirements for the degree of partial fulfilment of the first semester.

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Head of the Department of Project Supervisor

Basic Sciences & Humanities IEM, Kolkata

## Introduction:

The project is assigned to make a student management system that displays records of the students which contain various data including their name, roll number, marks, and grades.

1. ***Variable Description:***

The different variables used in the project are listed under: -

1. int- To store integer datatypes.
2. char- To store character datatypes.
3. ***Function Description :***

The function used in project is 🡪

CalculateGrade(to calculate grade of the students)

1. ***Program:***

#include <stdio.h>

struct Student {

char name[50];

int rollNumber;

int marks;

char grade;

};

void calculateGrade(struct Student \*student) {

if (student->marks >= 90) {

student->grade = 'A';

} else if (student->marks >= 80) {

student->grade = 'B';

} else if (student->marks >= 70) {

student->grade = 'C';

} else if (student->marks >= 60) {

student->grade = 'D';

} else {

student->grade = 'F';

}

}

int main() {

int numStudents;

printf("Enter the number of students: ");

scanf("%d", &numStudents);

struct Student students[numStudents];

for (int i = 0; i < numStudents; i++) {

printf("\nEnter details of student %d:\n", i + 1);

printf("Name: ");

scanf("%s", students[i].name);

printf("Roll Number: ");

scanf("%d", &students[i].rollNumber);

printf("Marks: ");

scanf("%d", &students[i].marks);

calculateGrade(&students[i]);

}

printf("\nStudent Details:\n");

printf("-------------------------------------------------\n");

printf("Roll Number\tName\t\tMarks\tGrade\n");

printf("-------------------------------------------------\n");

for (int i = 0; i < numStudents; i++) {

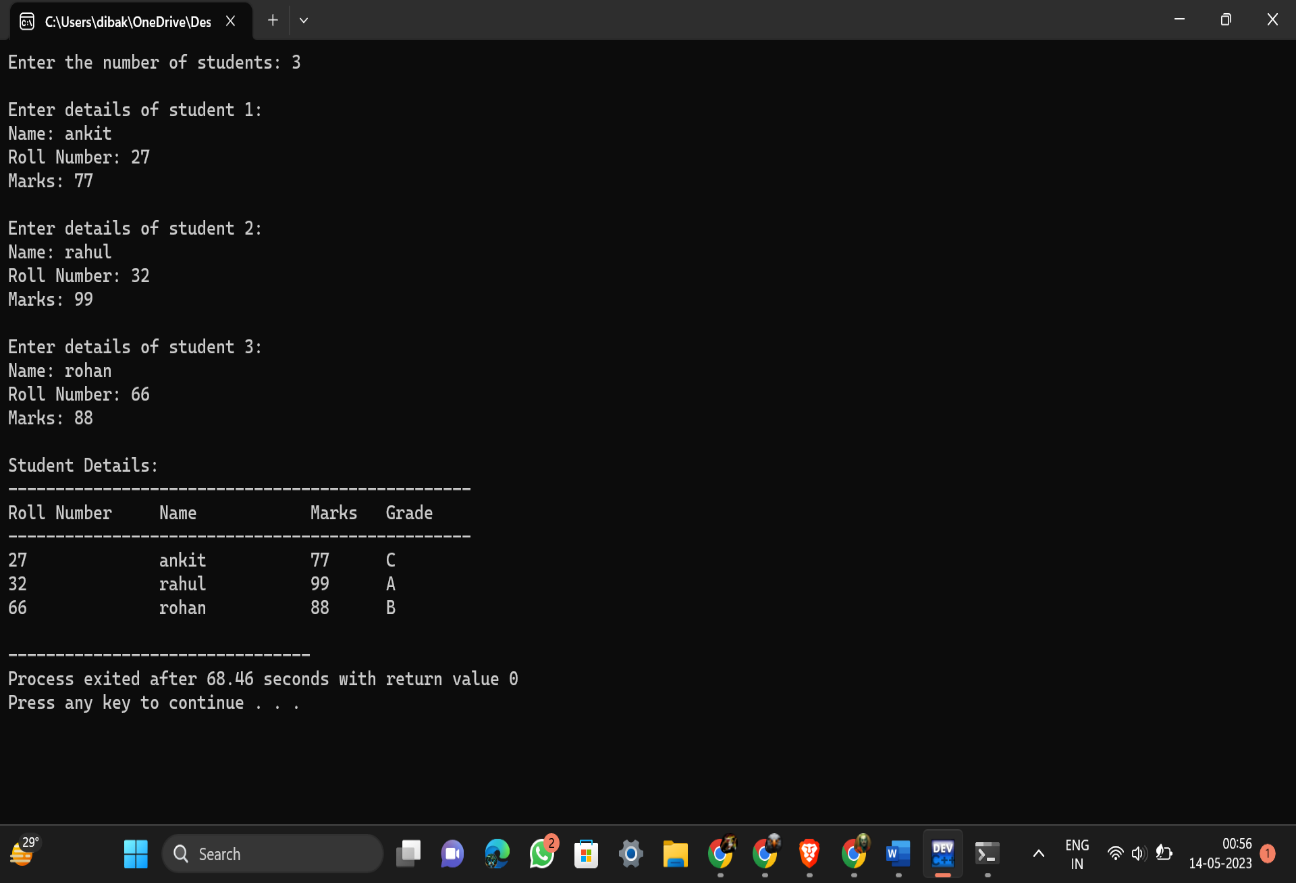
printf("%d\t\t%s\t\t%d\t%c\n", students[i].rollNumber, students[i].name, students[i].marks, students[i].grade);

}

return 0;

}

1. ***Output:***

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