A Project Report

On

Student Result Management System

In subject of
Computer Science

Department of Computer Science,
School of Science and Technology,
BCA Programme

VANITA VISHRAM WOMEN'S UNIVERSITY, SURAT

March 2022

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VANITA VISHRAM WOMEN'S UNIVERSITY

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School of Science & Technology

Department Of Computer Science

Program: BCA

2021-2022

CERTIFICATE

This is to certify that Miss _____ of _____ Class, Roll No _____ Exam No _____ has satisfactorily completed her Practical \ Laboratory \ Project Work for BCA Semester _____ in subject of _____ for the term ending in Month _____ and year 20 __ - 20 __.

Date:

Subject Expert1	Subject Expert2
Name: _____	Name: _____
Signature: _____	Signature: _____

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I. Introduction

A report card, or simply report, communicates a student's academic performance. A grading scale is used on a normal report card to measure the quality of a student's schoolwork.

Student report card system project in C++ is a simple console application built without the use of graphics. In this project, users can perform typical report card related functions like adding a new student record and displaying, modifying, editing, and deleting it.

II. Project Objective

- Preparing Students Result report card using C++ Programming Language.
- Teachers or persons who will responsible for preparing report card have to enter only marks of each subject for every student and processing work will take care by the computer system in order to prepare final report card.

III. Existing System

- As the report card is to be prepared to time, so that results can be declared on desired date, it was not possible manually to achieve this goal.
- All the tasks have to be performed by the class teacher and these teachers also involved in other activities such as checking papers, taking exams, giving lectures etc. So, it was not possible for them to tackle all these tasks at a time.

IV. Proposed System

- This system has been developed to eliminate the repetitive tasks which is to be performed manually thus saving time and investment.
- This new system will store all the student records along with their marks and report card details, by which teachers and admin will able to retrieve these records whenever they required.
- It will enable teachers to get information on various sections such as list of failures students, list of toppers students, students list who have failed in particular subject etc using the predefined rules set by the institutions.
- It will enable teachers to make report card, by entering subject marks, viewing report card of all or particular student, easy navigation system from moving one module to next module while using this system.

V. Project Details

In the table below, you'll find a list of the project data and technologies used in this system. Student report card is the name of the project, which is written in C++.

ABOUT PROJECT	PROJECT DETAILS
Project Name:	Student Result Management System
Project Platform:	C/C++
Programming Language Used:	C++ Programming Language
Developer Name:	
Software requirements:	
Operating System :	Windows
Front End:	Turbo C 3.2
Back End:	--
Project Type:	Desktop Application
Team Size:	5
Guide Name:	

VI. Features of Project:

- Login
- Add student's details
- View Students details
- Grade Calculation
- Logout

The source code is Consists of the description provided here as a general abstract of this project.

1. **Login**: This feature allows user to exit from the student report management System, the report card record of a particular student;

2. **Add new student's details**: This feature creates a new student record containing details of student. For this the information to be provided are the name and roll no. of the student, and the marks obtained by him/her in 3 subjects – m1, m2, m3.

3. **Show students Details:** The student report card system project in C++ has been used for this feature. It basically shows the progress report of all the students added. This feature displays the roll no. and name of all the students, the marks obtained by them in 3 subjects – along with the percentage and grade of each student.

4. **Student's grade calculation**: This feature enlists all the students' record. The grade report is displayed in a tabular form with roll no. and name of the students, marks achieved in the five subjects, and the grade and percentage obtained by them.

5. **Logout**: This feature allows user to exit from the student report management System, the report card record of a particular student;

VII. Implementation:

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
#include<process.h>
#include<iostream.h>
#include<dos.h>
char usrname[10];
char passwd[10];
int choice;

class student
{
        public:
        int rollno;
        char name[10];
        int marks[5];
        int total;
        double per;
        char grade;
void hdisp()
{
        clrscr();
        cout <<  "\n\n\n\n\n\n\n\n\t\t\t ***************************************";
        cout << "\n\t\t\t Student Result Management System ";
        cout << "\n\t\t\t ***************************************";
}
void login()
{
        int flag1=0,flag2=0;
        cout<<"\n \t\t\t User Name =";
        gets(usrname);
        cout <<"\n\t\t\t Password =";
```

```
        gets(passwd);
        flag1=strcmp(usrname,"dikshan");
        flag2=strcmp(passwd,"dikshan");
        if(flag1==0 && flag2==0)
        menu();
        //cout <<"good";
        else
        cout <<"\n\n\n \t\t\t Re Enter your details ....";
        fdisp();
}


void fdisp()
{
        cout<< "\n\t\t\t ***************************************";
        cout <<"\n\t\t\t        All Rights Reserved ";
}
void menu()
{
clrscr();
hdisp();
        cout<<"\n\t\t\t1. \t New Record";
        cout<<"\n\t\t\t2. \t Generate Result";
        cout<<"\n\t\t\t3. \t View Result";
        cout<<"\n\t\t\t4. \t LogOut";
        cout<<"\n\n\n\t\t\t Enter Your Choice =";
        cin>>choice;

        switch(choice)
        {
                case 1:
                        new1();
                        break;
                case 2:
```

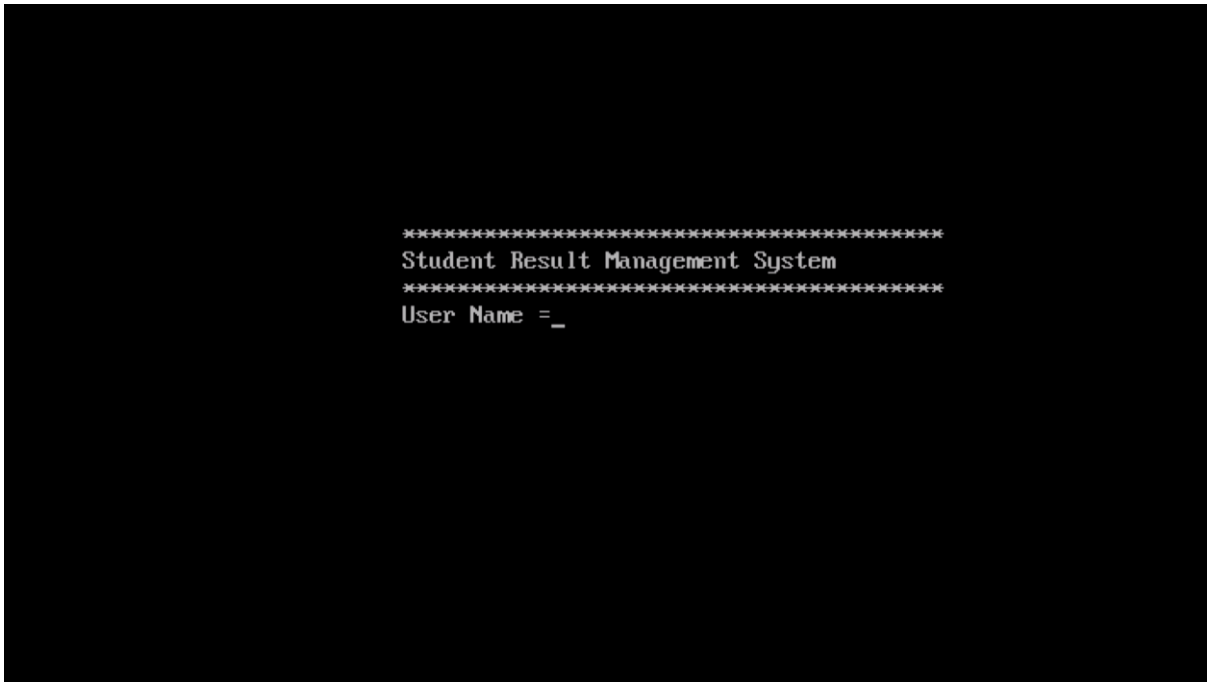
```
                cal();
                break;
        case 3:
                disp();
                break;
        case 4:
                logout();
                break;
        default:
                cout <<"Sorry Wrong Choice !!!";
                break;
        }

}
void new1()
{
        int i;
        clrscr();
        hdisp();
        cout<<"\n\t\t\tEnter Rollno=";
        cin>>rollno;
        cout<<"\n\t\t\tEnter Name=";
        cin>>name;
        for(i=0;i<5;i++)
        {
        cout<<"\n\t\t\tEnter Marks ["<<i<<"]=";
        cin>>marks[i];
        }
        menu();
}

void cal ()
{
        int i;
```

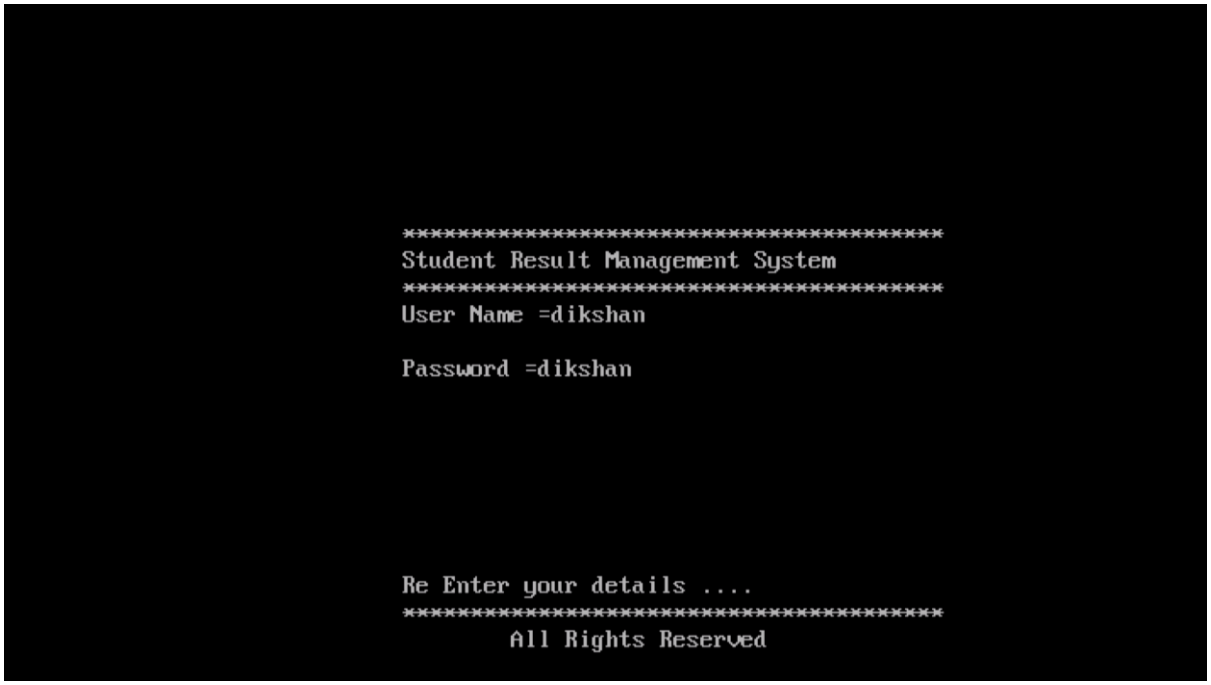
```
	for(i=0;i<5;i++)
	{
		total+=marks[i];
	}
	per=total/5;
	if(per>=70)
		grade='A';
	else if (per >=60 && per < 70)
		grade='B';
	else if (per >=50 && per <60)
		grade='C';
	else if (per >=35 && per <50)
		grade='D';
	else
		grade='F';

	cout<<"\t\t\t Result Calculated ...";
	delay(2000);
	menu();
}

void disp()
{
int i;
clrscr();
hdisp();
cout <<"\n\t\t\t  Roll No="<<rollno;
cout <<"\n\t\t\t  Student Name="<<name;
for(i=0;i<5;i++)
{
cout <<"\n\t\t\t  Marks 1 ="<<marks[i];
}
cout <<"\n\t\t\t  ========================";
cout <<"\n\t\t\t  Total Marks ="<<total;
```

```
cout <<"\n\t\t\t  ========================";
cout <<"\n\t\t\t  Percentage = "<<per;
cout <<"\n\t\t\t  Grade = "<<grade;
cout <<"\n\t\t\t  ========================";
delay(2000);
menu();
}

void logout()
{
clrscr();
hdisp();
cout<<"\n\t\t\t     Thank you visit the System ...";
exit(0);
}
};
void main()
{
student s1;
s1.hdisp();
s1.login();
getch();
}
```

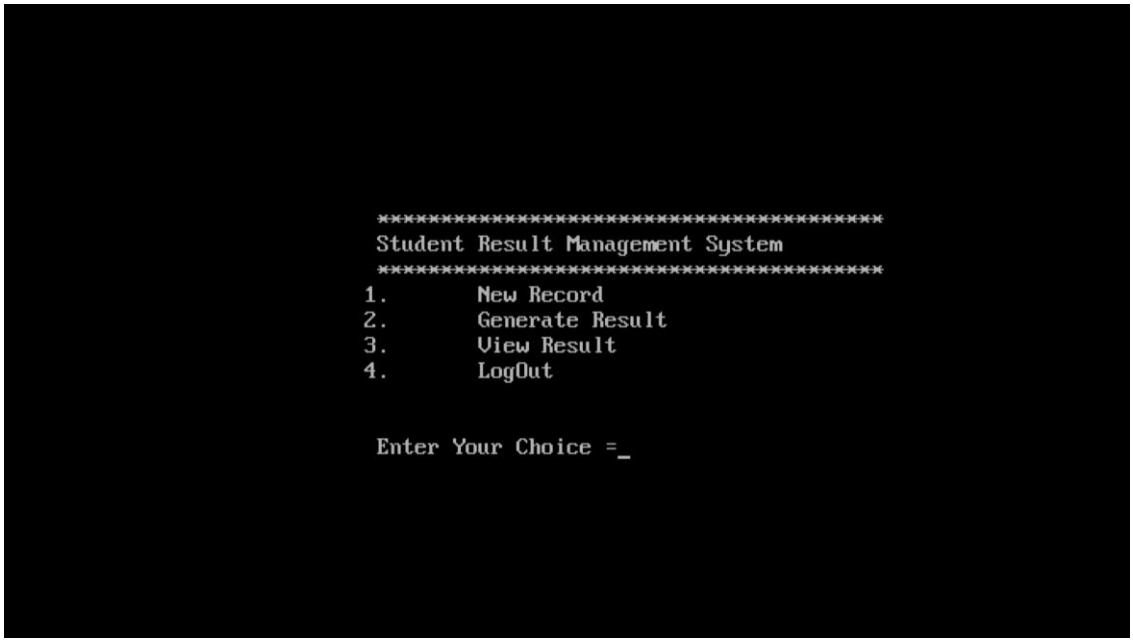
VIII. Interface of Output Screen:

1) Login:

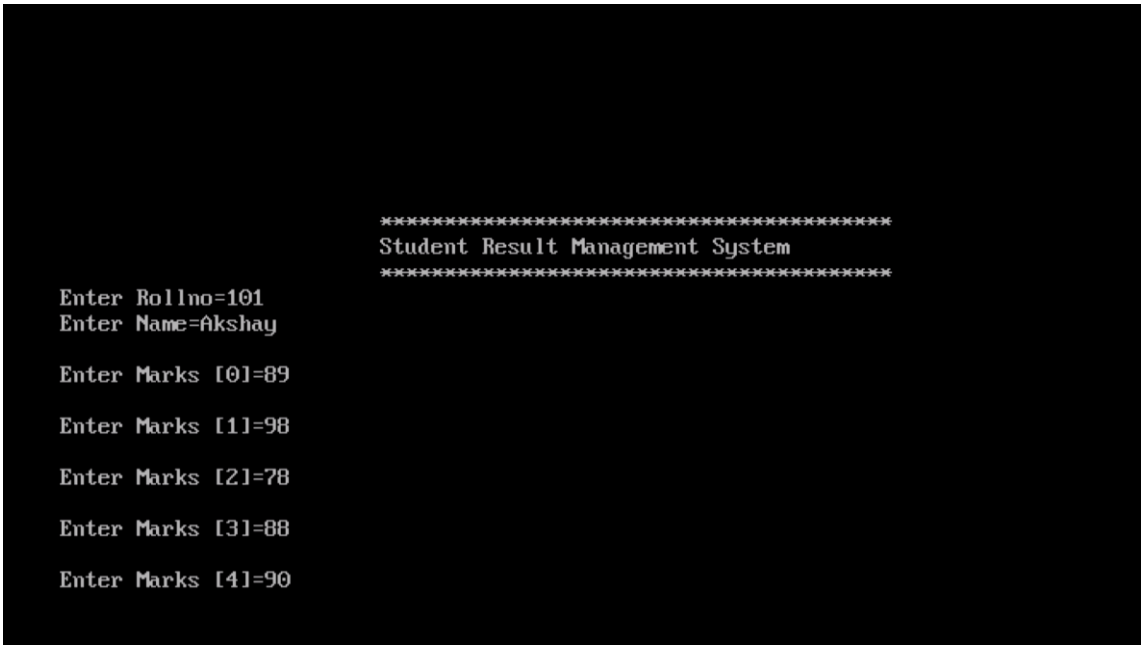




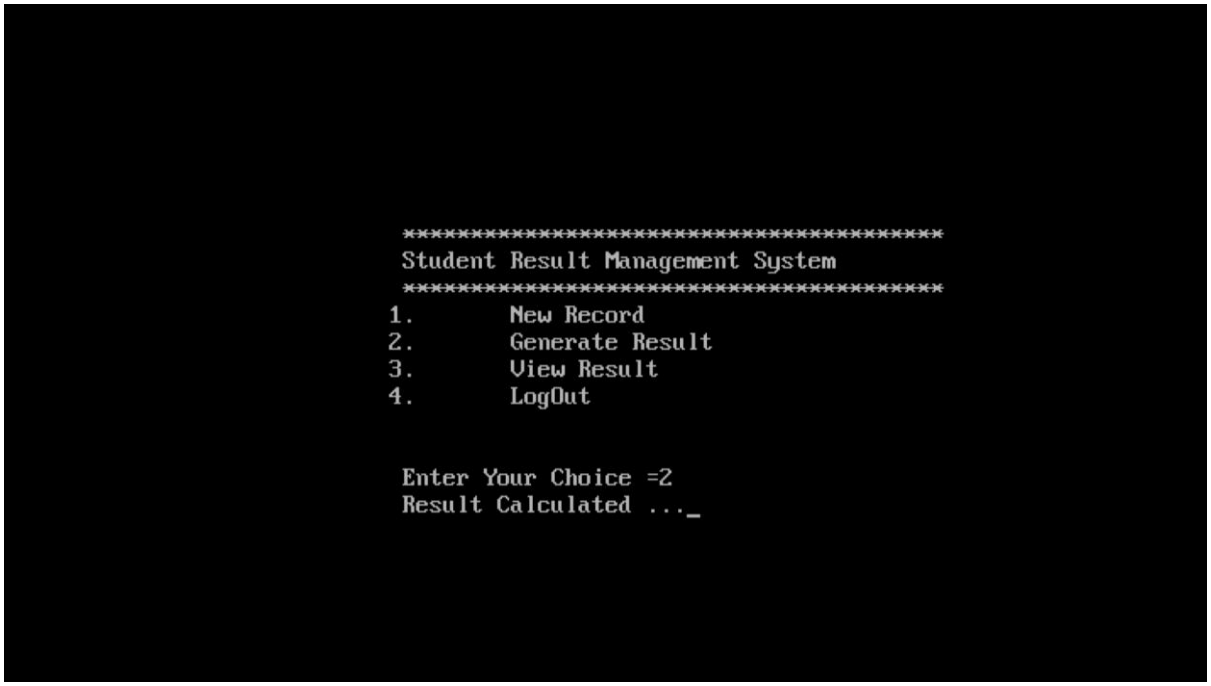
2) **Main Manu:**



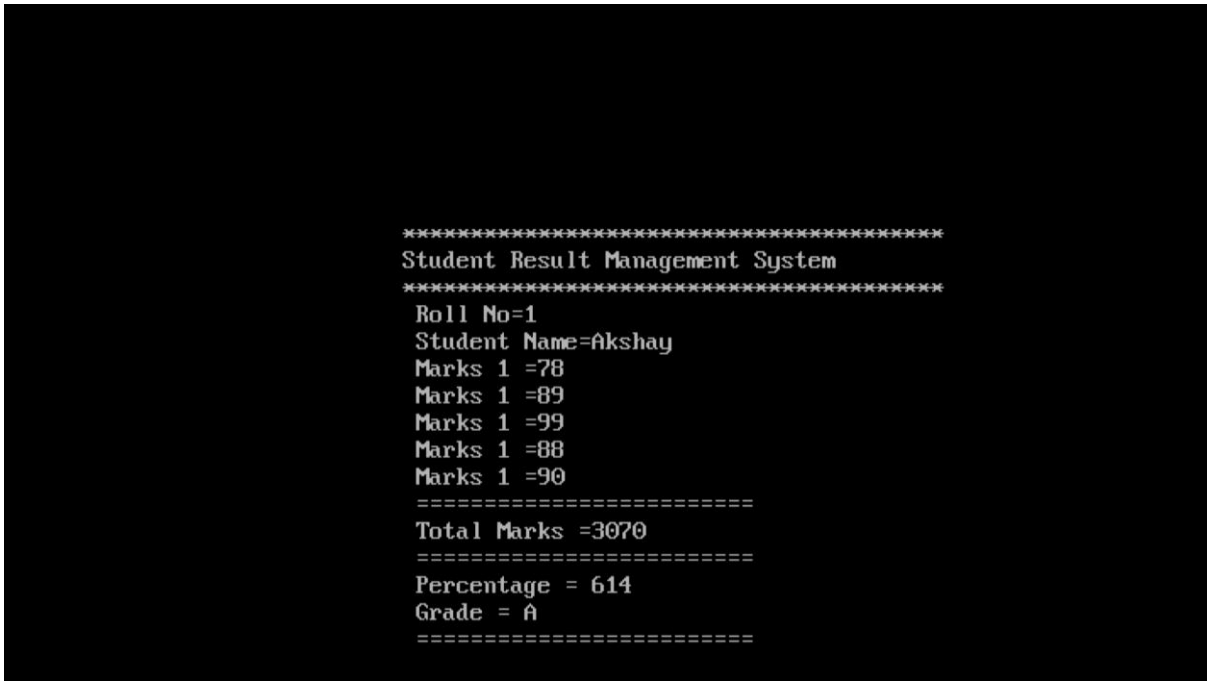
3) Add new students Record:



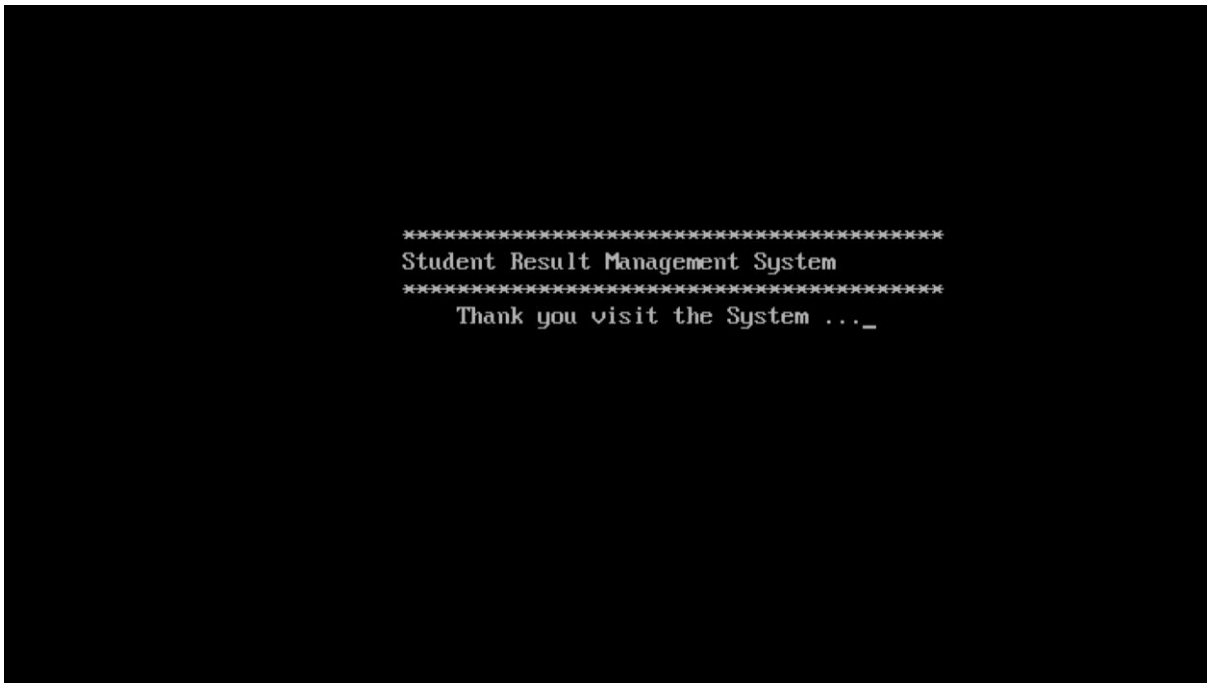
4) Calculate students Result:



5) View students Result:



6) Logout:


****
Student Result Management System
****
Thank you visit the System ..._

XI. Conclusion

Student Report Card in C++ can be beneficial to students or professionals interested in learning the C++ programming language. This project can also be customized to meet your specific needs. I hope that this project will assist you in honing your talents.

This is how you make a C++ Student Report Card in your projects. In your C++ projects, you can always expand and attempt alternative ways to implement the School Management System in C++. This Mini Project for Student Report Card is use for educational purposes only. It is simple to comprehend and manipulate.