

STUDENT'S REPORT CARD

A C++ PROJECT

ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher Dr. Sarabjeet Singh as well as our principal Dr. Manpreet Singh Gujral who gave me the golden opportunity to do make this program on topic student's report card, which also helped me in doing a lot of research and I came to know about so many new things I am really thankful to them.

Secondly I would also like to thank my parents and friends who helped me a lot in finalising this project within the limited time frame.

OVERVIEW OF OUR **PROGRAM**

The program made by our team is a database which stores and displays marks of students. It also helps in calculating the percentage and gives students the grades.

It also has options to edit the database for changing, modifying or deleting an entry.

It helps us to view the result of the whole at a time, view each and every student's report card at a time, view report cards of all the students together.

EXECUTION OF PROGRAM

```
MAIN MENU

01. RESULT MENU

02. ENTRY/EDIT MENU

03. EXIT

Please Select Your Option (1-3)
```



```
ENTRY MENU

1.CREATE STUDENT RECORD

2.DISPLAY ALL STUDENTS RECORDS

3.SEARCH STUDENT RECORD

4.MODIFY STUDENT RECORD

5.DELETE STUDENT RECORD

6.BACK TO MAIN MENU

Please Enter Your Choice (1-6) |
```

When we first run the program, we are directed to a main menu which displays 3 options as shown in figure above, as we are running the program for the first time, the result menu will be empty. So to enter roll number, name and marks of students, we have to **enter 2** so that we get access **entry/edit menu**.


Then once we **enter 2**, we are directed to **entry menu** which displays 6 option to choose from that are given in the figure above. As we are running the program for the first time, the all other options will give no result and take you to the main menu. So to start creating a database for maintaining record for students, we must **enter 1** to **create student record**.

HOW TO CREATE A STUDENT RECORD

```
Please Enter Your Choice (1-6) 1
Enter The roll number of student 46
Enter The Name of student Prabhjot
Enter The marks in physics out of 100 : 98
Enter The marks in chemistry out of 100 : 89
Enter The marks in maths out of 100 : 96
Enter The marks in english out of 100 : 93
Enter The marks in computer science out of 100 : 88
student record Has Been Created
```

When we **enter 1**, we are directed to a window to enter student record. First we have to enter the roll number of the student, then the name, then marks of physics, chemistry, maths, English and computer science out of 100.

Then on pressing return key, we are again directed to the main menu.



```
MAIN MENU
01. RESULT MENU
02. ENTRY/EDIT MENU
03. EXIT
```

Similarly by repeating above steps, we can generate record of as many students as we want. If we want to **exit program, enter 3**.

CHECKING THE RESULT

When we open result menu from main menu, we have 2 option; to see **class result**, enter **1**; to see **student report card**, enter **2**.

RESULT MENU

1. Class Result
2. Student Report Card
- 3.Back to Main Menu

Enter Choice (1/2)? 1

MAIN MENU

01. RESULT MENU
02. ENTRY/EDIT MENU
03. EXIT

Please Select Your Option (1-3) 1

RESULT MENU

1. Class Result
2. Student Report Card
- 3.Back to Main Menu

Enter Choice (1/2)? 2

ALL STUDENTS RESULT

=====								
Roll No.	Name	P	C	M	E	CS	%age	Grade
=====								
46	Prabhjot	98	89	96	93	88	92.8	A
14	Arjun	85	80	95	90	95	89	A
49	Pushaan	80	95	90	92	89	89.2	A
25	Harshdeep	94	87	86	90	97	90.8	A
19	Charu	85	95	88	94	90	90.4	A
66	Taruna	82	98	92	93	88	90.6	A

Enter Roll Number Of Student : 46

Roll number of student : 46
Name of student : Prabhjot
Marks in Physics : 98
Marks in Chemistry : 89
Marks in Maths : 96
Marks in English : 93
Marks in Computer Science :88
Percentage of student is :93
Grade of student is :A

DISPLAYING ALL RECORDS TOGETHER

If we want to display **all report cards together**, enter **2** in **Entry menu** which will display the report cards of all the students together in a **sequence**.

DISPLAY ALL RECORD !!!

```
Roll number of student : 46
Name of student : Prabhjot
Marks in Physics : 98
Marks in Chemistry : 89
Marks in Maths : 96
Marks in English : 93
Marks in Computer Science :88
Percentage of student is :93
Grade of student is :A
```

```
=====

Roll number of student : 14
Name of student : Arjun
Marks in Physics : 85
Marks in Chemistry : 80
Marks in Maths : 95
Marks in English : 90
Marks in Computer Science :95
Percentage of student is :89
Grade of student is :A

=====
```

```
Roll number of student : 49
Name of student : Pushaan
Marks in Physics : 80
Marks in Chemistry : 95
Marks in Maths : 90
Marks in English : 92
Marks in Computer Science :89
Percentage of student is :89
Grade of student is :A
```

```
=====

Roll number of student : 25
Name of student : Harshdeep
Marks in Physics : 94
Marks in Chemistry : 87
Marks in Maths : 86
Marks in English : 90
Marks in Computer Science :97
Percentage of student is :91
Grade of student is :A

=====
```

```
Roll number of student : 19
Name of student : Charu
Marks in Physics : 85
Marks in Chemistry : 95
Marks in Maths : 88
Marks in English : 94
Marks in Computer Science :90
Percentage of student is :90
Grade of student is :A
```

```
=====

Roll number of student : 66
Name of student : Taruna
Marks in Physics : 82
Marks in Chemistry : 98
Marks in Maths : 92
Marks in English : 93
Marks in Computer Science :88
Percentage of student is :91
Grade of student is :A

=====
```

SEARCHING A STUDENT RECORD

If we want to **search a student record**, enter **3** on **Entry menu** then program will ask the **roll number** of the student whose report card we want to view, after entering the roll number of the student, report card of that student will be displayed.

ENTRY MENU

- 1.CREATE STUDENT RECORD
- 2.DISPLAY ALL STUDENTS RECORDS
- 3.SEARCH STUDENT RECORD
- 4.MODIFY STUDENT RECORD
- 5.DELETE STUDENT RECORD
- 6.BACK TO MAIN MENU

Please Enter Your Choice (1-6) 3

Please Enter The roll number 46

Roll number of student : 46
Name of student : Prabhjot
Marks in Physics : 98
Marks in Chemistry : 89
Marks in Maths : 96
Marks in English : 93
Marks in Computer Science :88
Percentage of student is :93
Grade of student is :A

MODIFYING A STUDENT RECORD

To Modify

Please Enter The roll number of student 14

Roll number of student : 14

Name of student : Arjun

Marks in Physics : 85

Marks in Chemistry : 80

Marks in Maths : 95

Marks in English : 90

Marks in Computer Science :95

Percentage of student is :89

Grade of student is :A

Please Enter The New Details of student

Enter The roll number of student 14

Enter The Name of student Arjun

Enter The marks in physics out of 100 : 85

Enter The marks in chemistry out of 100 : 90

Enter The marks in maths out of 100 : 92

Enter The marks in english out of 100 : 90

Enter The marks in computer science out of 100 : 95

Record Updated

If we want to **modify a record**, enter **4** on **Entry menu** then program will ask the **roll number** of the student whose record we want to modify, after entering the roll number, program will display the previous record of that student and after that it will ask for new details of the student. We can either completely change the roll number, name of the student i.e. assign a complete new student at that space or just amend the marks of the same student.

For example, after rechecking of exams, marks of Arjun in chemistry increased by 10 and decreased by 3 in maths. So, to modify the marks in just 2 subjects, I entered 4 on the Enter menu, entered his roll number i.e. 14, entered all his same details but in chemistry and maths, added his new score i.e. 90 and 92 respectively.

RESULT BEFORE AND AFTER MODIFYING

ALL STUDENTS RESULT

=====								
Roll No.	Name	P	C	M	E	CS	%age	Grade
=====								
46	Prabhjot	98	89	96	93	88	92.8	A
14	Arjun	85	80	95	90	95	89	A
49	Pushaan	80	95	90	92	89	89.2	A
25	Harshdeep	94	87	86	90	97	90.8	A
19	Charu	85	95	88	94	90	90.4	A
66	Taruna	82	98	92	93	88	90.6	A

BEFORE MODIFYING

ALL STUDENTS RESULT

=====								
Roll No.	Name	P	C	M	E	CS	%age	Grade
=====								
46	Prabhjot	98	89	96	93	88	92.8	A
14	Arjun	85	90	92	90	95	90.4	A
49	Pushaan	80	95	90	92	89	89.2	A
25	Harshdeep	94	87	86	90	97	90.8	A
19	Charu	85	95	88	94	90	90.4	A
66	Taruna	82	98	92	93	88	90.6	A

AFTER MODIFYING

DELETING A RECORD

Delete Record

Please Enter The roll number of student You Want To Delete66

Record Deleted ..

If we want to **delete a record**, enter **5** on **Entry menu** then program will ask the **roll number** of the student that we want to delete, after entering the roll number **record will be deleted** of that student.



ALL STUDENTS RESULT

Roll No.	Name	P	C	M	E	CS	%age	Grade
46	Prabhjot	98	89	96	93	88	92.8	A
14	Arjun	85	90	92	90	95	90.4	A
49	Pushaan	80	95	90	92	89	89.2	A
25	Harshdeep	94	87	86	90	97	90.8	A
19	Charu	85	95	88	94	90	90.4	A

AFTER DELETING

ALL STUDENTS RESULT

Roll No.	Name	P	C	M	E	CS	%age	Grade
46	Prabhjot	98	89	96	93	88	92.8	A
14	Arjun	85	90	92	90	95	90.4	A
49	Pushaan	80	95	90	92	89	89.2	A
25	Harshdeep	94	87	86	90	97	90.8	A
19	Charu	85	95	88	94	90	90.4	A
66	Taruna	82	98	92	93	88	90.6	A

BEFORE DELETING

THIS PROJECT WAS MADE ON XCODE IN C++ LANGUAGE

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THANK YOU

C++

