

King Saud University
College of Computer & Information Science
CSC111 – Lab9
Private Attributes

Exercise: 1

Create a class name student which has the attribute studentid, studentname, mark1, mark2, mark3 total and average. Write a main class called test and calculate the total marks and the average.

Student
-studentid:int -studentname:String -mark1:int -mark2:int -mark3:int -total:int -Average:int
+main()

Your output should look like this

<u>Main Menu</u>
1. Enter the Student Information 2. Total Marks 3. Average 4. Grade 5. Exit Enter Your Choice:

The Total marks and the average is calculated as below:

Total Marks =mark1+mark2+mark3

Average: Total/3;

Enter the Student information includes Mark1, Mark2 and Mark3 and is mandatory for other choices

For example

1. Enter the Student Information
 2. Total Marks
 3. Average
 4. Grade
 5. Exit
- Enter Your Choice: 1

```
Enter the student id
1234
Enter the student Name
swat
Enter the student Mark1
45
Enter the student Mark2
56
Enter the student Mark3
67
1. Enter the information
2. Total marks
3. Average Marks
4. Grade
5. Exit
4
Your Grade is c
1. Enter the information
2. Total marks
3. Average Marks
4. Grade
5. Exit
3
The Average is 56
```

The calculation of the grade should look like this.

Grade:

Average	Grade
More than 90	A+
More than 80 and less than 90	A
More than 70 and less than 80	B+
More than 60 and less than 70	B
More than 50 and less than 60	C
Less than 50	F