

⇒ Java ~~Set~~ Student

import java.util.Scanner;

class Student1 {

Scanner sc = new Scanner(System.in)

String USN;

String Name;

int credits[] = new int[5];

float marks[] = new float[5];

int points[] = new int[5];

float SGPA;

int totalCredits = 0;

void getDetails() {

System.out.println("Enter student USN:");

USN = sc.nextLine();

System.out.println("Enter student Name:");

Name = sc.nextLine();

for(int i=0; i<5; i++) {

System.out.println("Enter CREDITS for subject"
+(i+1)+" :");

credits[i] = sc.nextInt();

totalCredits += credits[i];

System.out.println("Enter MARKS for subject"
+(i+1)+" :");

marks[i] = sc.nextFloat();

}

}

void showDetails() {

System.out.println("Student USN:" + USN);

System.out.println("Enter student name:" + Name);

for(int i=0; i<5; i++) {

```
System.out.println("Subject" + (i+1) + "-Credits:" +  
credits[i] + "-Marks:" + mark[i]);
```

```
}
```

```
System.out.println("SGPA of " + Name + " is: " + (float)  
(SGPA/total credits))
```

```
}
```

```
void calc SGPA() {
```

```
for (int i=0; i<5; i++) {
```

```
if (marks[i] > 100) {
```

```
System.out.println("Error: Marks are above 100");  
return;
```

```
} else if (marks[i] >= 90) {  
points[i] = 10;
```

```
} else if (marks[i] >= 80) {  
points[i] = 9;
```

```
} else if (marks[i] >= 70) {  
points[i] = 8;
```

```
} else if (marks[i] >= 60) {  
points[i] = 7;
```

```
} else if (marks[i] >= 50) {  
points[i] = 6;
```

```
} else if (marks[i] >= 40) {  
points[i] = 5;
```

```
} else {  
points[i] = 0;
```

```
}
```

```
SGPA += (points[i] * credits[i]);
```

```
}
```

```
}
```

```
}
```



```
public class Student {  
    public static void main (String args []) {  
        Student stu1 = new Student 1();  
        stu1  
        stu1.getDetails ();  
        stu1.calc SGPA ();  
        stu1.showDetails ();  
    }  
}
```