ESHAN PANDEY

IBM18CS13 1

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LAB PROGRAM 2

```java
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 th student Name:");
        Name = sc.nextLine();
        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);
```

```java
For (int i=0; i<5; i++) {
    System.out.println ("Subject " + (i+1) + "- Credits:"
                + "- Marks : " + marks [i]);
}
System.out.println ("SGPA of " + Name + " is: " +
                (float)(SGPA/ total Credits));
}


void calcSGPA () {

    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] = 5;
        } else if (marks [i] >= 40) {
            points [i] = 4;
        } else {
            points
```

```java
                }   points [i]= 0;
            }
            SGPA += (points [i]* credits [i]);
        }
    }
}

public class student {
    public static void main (String args []) {
        Student1 stu1 = new student1();
        stu1. getDetails ();
        stu1. calc SGPA ();
        stu1 . showDetails ();
    }
}
```