

## LAB PROGRAM - 2

```
import java.util.Scanner
```

```
class Student
```

```
{
```

```
    private String USN;
```

```
    private String name;
```

```
    private int n;
```

```
    private double SGPA = 0;
```

```
    private int totalCrediti = 0;
```

```
    Scanner ss = new Scanner(System.in);
```

```
    void Details()
```

```
{
```

```
        System.out.println("Enter the USN of the student");
```

```
        USN = ss.nextLine();
```

```
        System.out.println("Enter the name of the student");
```

```
        name name = ss.nextLine();
```

```
        System.out.println("Enter no. of subjects");
```

```
        n = ss.nextInt();
```

```
        int crediti[] = new int[n];
```

```
        double marks[] = new double[n];
```

```
        System.out.println("Enter details of the subject:");
```

```
        for (int i = 0; i < n; i++)
```

```
{
```

```
            System.out.println("Enter credits allotted to the subject " + (i+1));
```

```
            crediti[i] = ss.nextInt();
```

```
            System.out.println("Enter marks in the subject " + (i+1));
```

```
            marks[i] = ss.nextInt();
```

```
            Calculate(crediti[i], marks[i], i);
```

```
}
```

```
}
```



```
void calculateCint Credit, double marks, int j)
```

```
{
```

```
total credit = totalCredit + credit;
```

```
if (mark >= 90 && mark <= 100)
```

```
SGPA = SGPA + (10 * credit);
```

```
else if (mark >= 80 && mark <= 89)
```

```
SGPA = SGPA + (9 * credit);
```

```
else if (mark >= 70 && mark <= 79)
```

```
SGPA = SGPA + (8 * credit);
```

```
else if (mark >= 60 && mark <= 69)
```

```
SGPA = SGPA + (7 * credit)
```

```
else if (mark >= 50 && mark <= 59);
```

```
SGPA = SGPA + (6 * credit);
```

```
else if (mark >= 40 && mark <= 49);
```

```
SGPA = SGPA + (5 * credit);
```

```
else
```

```
System.out.println("Failed in subject " + (j+1));
```

```
}
```

```
void display()
```

```
{
```

```
System.out.println("Details of the Student");
```

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

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

```
System.out.println("SGPA of student" + (SGPA / total credit));
```

```
}
```

```
}
```

```
public class Student
```

```
{
```

```
public static void main (String args[])
```

```
{
```

```
Student S1 = new Student();
```

SI.Detail();

SI.Display();

8

3

