

LAB-2

```
import java.util.Scanner;
class Student
{
    private String USN;
    private String name;
    private int n;
    private double SGPA = 0;
    private int totalCredits = 0;
    Scanner ss = new Scanner(System.in);
    void Details()
    {
        System.out.println("Enter USN of the student");
        USN = ss.nextLine();
        System.out.println("Enter Name of the student");
        name = ss.nextLine();
        System.out.println("Enter no of subjects");
        n = ss.nextInt();
        int credits[] = new int[n];
        double marks[] = new double[n];
        System.out.println("Enter details of the subjects:");
        for(int i=0;i<n;i++)
        {
            System.out.println("Enter credits allotted to the subject "+(i+1));
            credits[i] = ss.nextInt();
            System.out.println("Enter marks in the subject "+(i+1));
            marks[i] = ss.nextInt(); Calculate(credits[i],marks[i],i);
        }
    }
}
```

```

}
void Calculate(int credit,double mark,int j)
{
totalCredits = totalCredits + 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/totalCredits));
}
}
public class students
{ public static void main(String args[])
{
Student s1 = new Student();
s1.Details();
}
}

```

```
s1.Display();  
}  
}
```

PS C:\Users\dashr\OneDrive\Des

PS C:\Users\dashr\OneDrive\Des

Enter USN of the student

1bm19cs133

Enter Name of the student

roshni

Enter no of subjects

3

*Enter details of the subjects

Enter credits allotted to the

3

Enter marks in the subject 1

89

Enter credits allotted to the

3

Enter marks in the subject 2

80

Enter credits allotted to the

5

Enter marks in the subject 3

90

Details of the Student

USN: 1bm19cs133

Name : roshni

SGPA of Student 9.454545454545

PS C:\Users\dashr\OneDrive\Des

