Lab 2: Develop a Java program to create a class Student with members usn, name, an array credits and an array marks. Include methods to accept and display details and a method to calculate SGPA of a student.

```
Code:
import java.util.Scanner;
class student
  student(){}
String name;
String usn;
double result=0;
int credits[]=new int[3];
int marks[]=new int[3];
  int total=0;
void accept()
{
Scanner s=new Scanner(System.in);
System.out.println("Enter your Name ");
name=s.nextLine();
System.out.println("Enter USN ");
usn=s.nextLine();
System.out.println("Enter credits and marks of each subject respectively ");
for(int i=0;i<3;i++)
{
this.credits[i]=s.nextInt();
```

```
this.marks[i]=s.nextInt();
}
void calculate()
for(int i=0;i<3;i++)
{
if(marks[i]>=90 && marks[i]<=100)
result+=10*credits[i];
if(marks[i]>=80 && marks[i]<90)
result+=9*credits[i];
if(marks[i]>=70 && marks[i]<80)
result+=8*credits[i];
if(marks[i]>=60 && marks[i]<70)
result+=7*credits[i];
if(marks[i]>=50 && marks[i]<60)
result+=6*credits[i];
if(marks[i]>=40 && marks[i]<50)
result+=5*credits[i];
else result+=0*credits[i];
}
for(int i=0;i<3;i++)
total+=credits[i];
result=result/total;
}
void display()
{
System.out.println("Name:"+name+" USN:"+usn);
System.out.println("credits Marks");
```

```
for(int i=0;i<3;i++)
System.out.println(credits[i]+"
                                                                                                                                                                                                                                                                    "+marks[i]);
System.out.println("Total credits="+total);
System.out.println("SGPA="+result);
}
}
class lab2
public static void main(String[] args)
student s1=new student();
s1.accept();
s1.calculate();
s1.display();
   File Edit Format View Help
import java.util.Scanner;
class student
  {
    student(){}

String name;

String usn;

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int credits[]=n() Microsoft Corporation. All rights int marks[]=nede: Users\basee\cd G:\Users\basee\cd G:\U
  System.out.prin
name=s.nextLine
System.out.prin
usn=s.nextLine(
System.out.prin
for(int i=0;i<3
{
  {
this.credits[i]
this.marks[i]=s
   if(marks[i]>=90 && marks[i]<=100)
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```

