

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.

```
import java.util.*;
import java.util.Scanner;
class student
{
double sgpa;
int marks,credit;
String name,usn;
void assign(String str,String usn1 )
{
name=str;
usn=usn1;
}
int grade(int a)
{
if(a==100)
return 10;
return (a/10)+1;
}
void display()
{
System.out.println("name of the student is "+ name);
System.out.println("Usn is "+usn);
System.out.println("SGPA is "+sgpa);
}
}
class sgpa
{
public static void main(String args[])
{
int sum=0,credsum=0;
String sname,susn;
Scanner sc=new Scanner(System.in);
student s=new student();
System.out.println("enter student name and usn respectively");
sname=sc.nextLine();
susn=sc.nextLine();
s.assign(sname,susn);
for(int i=0;i<5;i++)
{
```

```
System.out.println("enter marks and credit of subject "+ i+1 +"
respectively");
s.marks=sc.nextInt();
s.credit=sc.nextInt();
sum+=(s.grade(s.marks)*s.credit);
credsum+=s.credit;
}
s.sgpa=(double)sum/credsum;
s.display();
}
}
```

```
enter student name and usn respectively
suhas
23
enter marks and credit of subject 01 respectively
87 3
enter marks and credit of subject 11 respectively
88 3
enter marks and credit of subject 21 respectively
78 3
enter marks and credit of subject 31 respectively
79 3
enter marks and credit of subject 41 respectively
84 3
name of the student is suhas
Usn is 23
SGPA is 8.6
```