```
import java.util.*;
class Student
String usn;
String name;
private int n,credits[],marks[],gp[];
double sum,sgpa;
Student()
name="xyz";
usn="0";
void accept()
Scanner s1=new Scanner(System.in);
System.out.println("Enter the usn and name");
usn=s1.next();
name=s1.next();
System.out.println("Enter number of subjects");
n=s1.nextInt();
credits=new int[n+1];
marks=new int[n+1];
System.out.println("Enter the credits and marks in each subject");
for(int i=1;i<=n;i++)</pre>
System.out.println("Enter the credits and marks in subject "+i);
credits[i]=s1.nextInt();
marks[i]=s1.nextInt();
void calculate()
gp=new int[n+1];
int a=0;
for(int i=1;i<=n;i++)</pre>
if(marks[i]>=90)
gp[i]=10;
if(marks[i]>=80&&marks[i]<90)
gp[i]=9;
if(marks[i]>=70&&marks[i]<80)
gp[i]=8;
if(marks[i]>=60&&marks[i]<70)
gp[i]=7;
if(marks[i]>=50&&marks[i]<60)
gp[i]=5;
```

```
if(marks[i]<40)
gp[i]=0;
sum=(double)(credits[i]*gp[i])+sum;
a=a+credits[i];
sgpa=sum/a;
void display()
System.out.println("usn:"+usn+" name:"+name);
for (int i=1;i<=n;i++)
System.out.println("marks:"+marks[i]+" grade points:"+gp[i]);
System.out.println("sgpa:"+sgpa);
class STudentmain
public static void main(String[] args)
Student sc=new Student();
sc.accept();
sc.calculate();
sc.display();
```

```
C:\Users\Ajith\Desktop\java program>java Studentt.java

C:\Users\Ajith\Desktop\java program>java Studentt.java

C:\Users\Ajith\Desktop\java program>java Studentmain

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ajith

finter muther of subjects

finter the credits and marks in each subject

finter the credits and marks in subject 1

4

67

finter the credits and marks in subject 2

finter the credits and marks in subject 3

4

22

finter the credits and marks in subject 3

4

22

C:\Users\Ajith\Desktop\java program>

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