```
import java.util.*;
class Student {
      private String usn;
      private String name;
    private int credits[];
      private int marks[];
      private int n;
      void accept()
            Scanner s=new Scanner(System.in);
            System.out.println("Enter student details");
            System.out.println("USN:");
            usn=s.next();
            System.out.println("Name:");
            name=s.next();
            System.out.println("Enter the number of subjects:");
            n=s.nextInt();
            credits=new int[n];
            marks=new int[n];
            System.out.println("Enter credits and marks attained by the student in each subject");
            for (int i=0; i<n; i++)
                  credits[i]=s.nextInt();
                  marks[i]=s.nextInt();
```

```
System.out.println("Student details:");
      System.out.println("USN:"+usn);
      System.out.println("Name:"+name);
      System.out.println("Marks in each subject:");
      for(int i=0;i<n;i++)
            System.out.println("Subject "+(i+1)+":"+marks[i]);
double calculate()
      int tcp=0, tc=0;
      for (int i=0; i< n; i++)
            tc=tc+credits[i];
            if(marks[i] >= 50)
            tcp=tcp+(((marks[i]/10)+1)*credits[i]);
            else if (marks[i] >= 40 \&\& marks[i] < 50)
                  tcp=tcp+(4*credits[i]);
      return (double)tcp/tc;
```

void display()

```
public class Main
      public static void main(String ss[]) {
            Student s1=new Student();
            s1.accept();
            s1.display();
            System.out.println("SGPA: "+s1.calculate());
```

```
Enter student details
 USN:
 123
 Name:
 ABC
Enter the number of subjects:
 Enter credits and marks attained by the student in each subject
 12
 1.3
 14
 15
Student details:
 USN:123
 Name: ABC
 Marks in each subject:
 Subject 1:13
 Subject 2:15
 SGPA: 0.0
```

...Program finished with exit code 0 Press ENTER to exit console.

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