```
*Student - Notepad
File Edit Format View Help
import java.util.Scanner;
class Student
String usn, name;
static int credits[];
static double marks[];
void input(int n)
Scanner sc=new Scanner(System.in);
System.out.println("enter usn and name ");
usn=sc.nextLine();
name=sc.nextLine();
System.out.println("enter marks along with credits");
for(int i=0;i<n;i++)
marks[i]=sc.nextDouble();
credits[i]=sc.nextInt();
System.out.println();
}
double calculate(int n)
int c,cred=0;
double tot, total=0.0;
for(int i=0;i<n;i++)
tot=marks[i];
if(tot>=90)
             c=10;
             else if(tot>=80)
             c=9;
             else if(tot>=70)
             c=8;
             else if(tot>=60)
             c=7;
             else if(tot>=50)
             c=6;
             else if(tot>=40)
             c=5;
             else
                              Ln 35, Col 5
                                               110%
                                                     Windows (CRLF)
                                                                    UTF-8
```

```
C=8;
            else if(tot>=60)
            c=7;
            else if(tot>=50)
            c=6;
            else if(tot>=40)
            c=5;
            else
            c=0;
   total=total+(c*credits[i]);
cred=cred+credits[i];
total=total/cred;
return(total);
void display(int n,double total)
{
System.out.println("name of student : "+name);
System.out.println("usn of student : "+usn);
System.out.println("marks of student along with credits of course");
for(int i=0;i<n;i++)
System.out.println(marks[i]+" "+credits[i]);
System.out.println("sgpa of student : "+total);
public static void main(String args[])
Scanner sc=new Scanner(System.in);
Student obj=new Student();
System.out.println("enter no of course ");
int n=sc.nextInt();
credits=new int[n];
marks=new double[n];
obj.input(n);
double total=obj.calculate(n);
obj.display(n,total);
}
}
```

```
C:\Users\PUNEETH K\Desktop\JAVA>javac Student.java
C:\Users\PUNEETH K\Desktop\JAVA>java Student
enter no of course
enter usn and name
125
Puneeth
enter marks along with credits
72
1
85
90
name of student : Puneeth
usn of student : 125
marks of student along with credits of course
72.0
      4
85.0 5
90.0 3
sgpa of student : 8.916666666666666
```

```
LAB-2
  import java. util. Scanner;
   dan Studenta
    String um, name;
     Static uit credity [];
     static double marks [];
    void cirput (int n)
     Seamner SC = new Scanner (System. in);
     System. out. paintle ("enter un and name);
      un = 8c. next line ();
     nome = 9c. next line (')",
     System . Out. print lu l'enter the marks with credit,
            of that Subject");
       for ( cuit i=0; i < n; i++)
           marker[i] = 8c. next Double();
           couldits[i] = Sc. next Zut ();
            System. Out. paint lu();
```

```
Void display ( int n, double total)
System as print by to name of student: "manes).
System and punter ('usn of student i "+usn).
System out printles ("ments of student along will court"),
 for ( unt i = a , ( < h ; i +1 )
  System - out private (marke [i] + "+ (redite [i]);
  Sylen oui. punter ("sypa o) student!"++otal);
  public static void main (String orgs[])
  Scarner &C= new Beauner (System in),
  Student obj = new Student ();
  System and printly ("enter the number of cours");
  int n = sc. next Tut();
   cudile = new wit[n];
   marker < new double [1];
   obj . input (n);
    double total = obj · calculate (n);
     obj display (n, total);
Out put
ent er the number of courses
cutes uso and name
 125
Puneeth
       the marks along with endity
  72
```

```
name of standard: "Puneth
 usn of Student : 125
 marks of student along with wedite of course
  72.0 4
   85.0
  90.0
   Sgpa of Student: 8.916666
Step1. Take value of name, um, credint, and number of
  Algorithm
Step2: - arrigh grade points to each subject.
 Step 3:- operate ( grade point x credity) for each subject
 Step 4: Dived the obtained answer with total number of
           credits to get sgpa
```