```
import java.util.*;
class Student {
  String name;
  String USN;
  int[] credits;
  int[] marks;
  Scanner sc = new Scanner(System.in);
  void getDetails() {
    System.out.print("Enter the Name:");
    name = sc.next();
    System.out.print("Enter the USN:");
    USN = sc.next();
    System.out.print("Enter the number of subjects:");
    int n = sc.nextInt();
    credits = new int[n];
    marks = new int[n];
    for (int i = 0; i < n; i++) {
       System.out.print("Enter the credits for:" + (i+1) + "Subject:");
       credits[i] = sc.nextInt();
       System.out.print("Enter the marks for:" + (i+1) + "Subject:");
       marks[i] = sc.nextInt();
    }
  }
  void showDetails() {
    System.out.println("Name: " + name);
    System.out.println("USN: " + USN);
    for (int i = 0; i < credits.length; i++) {
       System.out.println("Marks:" + i + "th Subject:" + marks[i]);
      System.out.println("Credits:" + i + "th Subject:" + credits[i]);
    }
  }
  double SGPACalc() {
    double sgpa=0;
    int total Credits=0;
    for (int i = 0; i < credits.length; i++) {
       sgpa += (marks[i]/10)* credits[i];
      total_Credits += credits[i];
    }
```

```
return sgpa/total Credits;
 }
class StudentSPGA{
 public static void main(String[] args) {
  Student s= new Student();
  s.getDetails();
  s.showDetails();
  System.out.println("SGPA:"+s.SGPACalc());
}
}
Enter the Name: Shreyas
Enter the USN:1BM23CS321
Enter the number of subjects:3
Enter the credits for:1Subject:2
Enter the marks for:1Subject:70
Enter the credits for:2Subject:3
Enter the marks for: 2Subject: 80
Enter the credits for:3Subject:4
Enter the marks for:3Subject:90
Name: Shreyas
USN: 1BM23CS321
Marks:0th Subject:70
Credits:0th Subject:2
Marks:1th Subject:80
Credits:1th Subject:3
Marks:2th Subject:90
Credits:2th Subject:4
SGPA:8.2222222222221
```

```
LAB PROGRAM-27 () petgate kiny
   I Java program to create class student with members USN,
     Name an array of credits, an array of marks. Include methods
     to accept and display details and calculate SGPA of a
    Student.
         import java util scanner,
         class Student {
                                 double ealescape () f
                   string usn, mame ; dans
                   int [] credits ; stote to
     2 (++1 : stynul into El marks 5 tui) (rot
        (or (13) be round get () . {
    : [3] 2 fibers + 2 fiber Scanner &c = new Scanner (system. in);
                         System println ("Enter USN:");
           etibores Interventos Sc. nextline();
                        System. out. printh ("Enter Name");
                         name = sc. nextline (); 1000 2001)
    ( ( pro 1) prints) mu System. out. printin ( " Enter number of sub: ");
                    int num = sc. nextInt ();
                        credits = new Int [ num];
                         marks = new [Int [num];
: ((144,52 slos) + " : A9A2" for Not City 200 3 14 rum ; 1++) f
                                 System. out println ("Enter credits for
                                                      subject " + (i+1));
                                 ereclits [i] = sc. next Int ();
                                system. println ("Entermarks for
                                                     same subject");
                                 marks [i] = sc. next Int ();
```

```
void display () & STAMMEDER BALL
          Met and system out printh ("USN:" + USN);
                      system. out . println ("Name:" + name) 3
            for (int i= 0; i < credits.length; i++) {

System.out.println ("subject" + (i+1) +
                               credits: " Credits: ")
              double calc SGPA () f
                                     class Student f
                        dauble sapa =10; Mitte
                      int total credits = 0 3
                        for (int i= 0 ; ix credit. length; i++) {
                                  sapar = (marks [i]/10) * credit
     : (wi motore) munos oun = 22. Motal Credits + = credits [i];
         System Printley ("Enter USN:") 3
                    equipreturn sgpa/ Total credits,
      System. out. privile ("Enter Name");
         Class Student SGPA {
( : aus ) is a main (String [] args);
               () + Student s = new Student ();
             ¿ Emma S. get Wis & etibers
              : I muns. display () =, Extrom
         } (++ : System. out. printin, ("SUPA:" + s. cale Sapau);
System but privilly ("Entencredite for
subject + (s+1
      eredits [1] = 180, next lut () :
system. println ("Enturmarks for
same subject ")
    marks [i] = sc. next3ux () :
```