```
Queite a program to create a class student with members usn, name
  an array credits and an array marks. Calculate saph of studen
  impost java . util. Scannes;
  class Subject {
     int subM;
     int coed;
     int grade;
     void set subDet (int marks, int cred) {
         this. subM = marks;
         this. cred = cred;
         if (subM>=90) {
             grade=10;
         else if (subm>=80) ?
             grade=9;
         else if (subM>=70) {
              grade=8;
         else if (subM>=60) {
               grade=7;
         else if (subM>=50) f
                grade=6;
         else if (GUbM>=40) f
                98ade = 5;
         else f
             grade=0;
```

Class Student {
Scannex s=new scannex (System.in);

```
Subject[] subjects = new Subjects[8];
 Studen+() f
    for (int i=0; i<subjects. length; i++) {
        subjects [i]=new Subject(); }.
 void getmasks() {
      for (int i=0; i< subjects.length; i++) {
          System.out.println(Enter marks for student subject "+ (+1)+
          int masks = s. next In+();
           System.out.println(Entex credit for subject "+(i+i)+": ");
           int (xed=S.nextInt();
           subjects [i]. set SubDet (maxks, cred);
                                              Agrical restrict too notif
double calsGPA [] ;
      double scare = 0;
      int total (xed = 0;
      double SGPA=0.0;
      fox (Subject subject: subjects) {
          Score+=(subject.grade + subject.cred);
          total_cred += subject. cred; }
      if (total-cored>0) {
         SGIPA = Score / total (red; }
      else s
         SG.PA=0; }
      return SGRA;
public class Student Details &
     public static void main (String [] args) {
     Scanner sc=new Scanner (System.in);
     System out println ("Enter number of semesters: "
      int numsems = sc. next Int();
     Student[] students = new Student [numsems];
      double c=0.0;
     String usn, name;
     System.out. println ("Enter USN:");
     Usn=sc.next();
     System.out.println ("Enter name: ");
     name=sc.next();
```

```
for (int i=0; i< numsems; (++) {
              System out println (Enter semester details: "+(++1));
              students [i] = new student();
              students[1].getMaxks();
              double s-students [i] · calsGPAC);
              C+=5;
        C=C|numSems;
        for (int i = 0; i< numSems; i++) {
             System out println ("USN: "+ (DEN);
            System out, println (Name: "+ name);
            System. aut. println ("SGAA fox sem"+(i+)+": "+ students [i]. calsGPAC)
     System. out. println ("CGPA: "+c);
atput:
Enter number of semesters: 1
Enter USN = 319
Enter Name = Ray
Enter details for semester 1
Entex masks for subject 1:80
Entex exedit for subject 1:4
Enter masks for subject 2:85
Enter wealit for subject 2:4
Enter marks for subject 3 :87
Enter credit for subject 3:3
Enter marks for subject 4:70
Enter credit for subject 4:3
Enter marks for subject 5:78
Enter credit for subject 5:3
Enter morks for subject 6:98
Enter movedit for subject 6:
Enter marks for subject 7:99
Enter credit for subject ?
Enter mosks for subject 8:93
Enter credit for subject 8:1
USN:319
Name · Raj
SGPA FOX Sem 1: 8.85
CGPA: 8.85
```

Microsoft kindens (Version 18.0 2015) 2051
CO.) Microsoft Corporation All zight reserved.

Co.) Microsoft Corporation All zigh