Develop a jave perogram to create a class student with members USN, name, an array credits and an array marks. Include methods ito accepect and display details and a method to create SGPA of a student.

import java . util . Scanner;

Claus student Info ?

Strint allsn;

Strint name;

int mum Subjects;

int [7 credits;

int [7 marks;

Void accept Details () ¿

Scanner Sc = new Scanner (System.in);

Syclim. out. printfn ("Enter USN");

USN = Sc. next line ();

System. out. println ("Enter name"); name = Sc. nevet Line ();

System.out. println ("Enter number of subjects");
num Subjects = sc. next Ind ();
vedits = vnew ind [num Subjects];

marks = new ind [num Subjects];

System out printh ("Enter the credits for each subjects");

```
for (int 1 = 0; 12 numSubjects; 1++) {
    System . out. println ("Credits for subject'+ (i+1)+":");
 redits [i] = sc. nent Int ();
System out printh ("Enter the marks for each object");
for (int i = 0; i < num Subjects; i++) {
   Systimtem.out.println("Marks for subject "+(i+1) +":");
 marks[i] = sc. nent Int ();
void display Details () {
   System. out: printh (" Student details");
  System.out. println ("USN"+USN);
  System.out. println ("Name" + name);
  System. out. println ("Gredits and marks for each subject);
  for (int i=0; i < num Subjects; i++) {
     System. out. println ("Subject" + (i+1) + " credits"
                            + Credits [ i] + "Marks" + marks[i]);
 System.out. prixlh ("SOPA" + Calculate SGPAX));
double calculate SGPA() {
   int total Credits = 0;
   double total GradePoints = 0.0;
```

```
for (int i =0; i z num Subjects; i++){
       int gradepoint : grade Point (marks[i]);
      total Grade Point + = gradepoint * credit [17;
      total Credits += credits [17;
 return total Grade Points / total Gudits;
  int get Gradepoint (int marks) {
   if (Marks > = 90) return 10;
     else it (marks >= 80) return 9;
     elseif (marks == 70) return 8;
      else if (marks >= 60) return 7;
      elseif (marks >= 50) return 6;
      else if (marks > = 40) return 5;
  y else return 0;
public class Student &
   public static void main (String [7 angs) {
      Student Enfo student = new Student Info ();
      Student. accept Details ();
       Student. display Details ();
       System. out. println ("Abhay");
       System.out. println ("24BECS404");
         Output:
                                             SGPA = 8.71428
         USN: 24BECS404
                                              Abhay
         Name: Abhay
         Credits and marks for each subject
                                              ZYBECS404.
       Subject 1: Credit = 5, marks = 60
                             marks= 90
       Subject 2: Credit = 10,
                            masks=75
       Subject 3: credit = 6,
```