2) Develop a java program to create a class student with members, usn, name, an array of credit and an array marks. Include methods to accept accept and display details and a method to calculate shop of a student

SGPA = = ((course endits)*(Grade points))

E (course endits)

import java. util. Scanner;

slass Subject &

int subject Marker;

int credits;

int grade;

3

Class Student &

String name;

String usns

double SEPA;

Subject subject[];

Scanner 5;

Student () {

int is

subject = new subject [9];

for(1=0;1<8; i++)

{ this, subject (i] = new Subject (); s= new Scanner (System. in);

3

```
void getstudent Details (1)
        s = new Scanner (System.in);
        System. out. println ("Enter students name");
       this name = s.nextline();
       System. out. println ("Enter usn of student");
       this . usn = s.nextLine();
3
void getMarks () {
         int i
   for (i=0; i<9; i++) {
         s = new Scanner (System. in);
          System.out. println ("Enter the marks of "+
                   (i+1) + " subject );
         this, subject [i]. subject Marks = s.nex+ I Ant()
         System. out. println ("Enter the credity of"+
                            (i+1) + "subject");
         this. subjust i J. credity = s. next Int();
        this subject [i] grade = (subject[i] subjectMarks/10
    this.subject[1].grade= (subject[i].subject Montes / 10 +1);
       if (this, subject[i].grade == 11){
           this, subjects i]. grade = 10;
      if (this, subject [i].grade == 4) {
           this subject[17, gradel =0;
```

3

```
void computesGPA () {
          int i;
        float sum-creditsandgrade = 0;
        floar sum - Gedits = 03
        for(1=0; 1<8; 1+1) {
           Sum-credits and grade + = (this, gubject [i], credits)*
                       (this subject[i] grade);
          sum-credits += this, subject(i), credits
       this. SGAA = (sum-creditionalgrade)/ (sum-creditis);
      3
class main {
      public static void main (string args[]) {
          Student st = new student (2)
          52 gerstudent Details ()
          SI. get Marter ();
          st. computes (SPA();
        System. out printle The name of the student is n
                         + SI. name);
        System.out, printh ("The wn of the student is"
                         +5). wh);
        Bystem.out, pronth l"The SGPA of the student is"
                             + 11.5GPA);
```

```
output:
Enter usastudent's name
 Sagar
Enter usn of student
1BM22(5231
 Enter the marks of a subject
 Enter the credity of a subject
 Enter the marks of 2 subject
 Finder the credits of 2 subjects
 91
 4
 Enter the marks of 3 subject
 90
 Enter the wedits of 3 subject
 Enter the marks of 4 subject
 87
 Enver the vediti of 4 subject
 3
 Enter the marks of 5 subject
 Enler the credits of 5 subject
 83
 Enter the marks of 6 subject
 Enter the vedits of 6 subject
  1
  Enler the marks of 7 subject
  93
  Ensu the credits of 7 subject
  Enter the marky of 8 subject
  86
  Enter the credity of 8 subject
```

1

The name of the student is Sagar The upn of the student is 1BM29CS231 The SGPA of the student is 9.6

Done by - Sagan I Bangan 1BM22CS231

Duin a