Q:- Develop a True Program to create a class student with members usn, name, an assay credits and an assay. marks. Include methods to accept and a method to calculate SGPA of a Student.

is string of the string !

Code:

import jana util . Scannel;

class Student ( ) (11 = = 2008) 2000)

String usn;

String name:

int [] credits = new int [8];

int [] malks = new int [8];

Public void accept Details 19 1

Scanner Scannel = new Scanner (System.in);

System. out. print ("Enter USN: "):

Usn = Scanner, next line W:

System. act. parth ("Enter Name: ");

hame = Scanner. nextline 13:

System. Out. println ("Frater details for each subject: In");

for lint i=0; ix cledits. length; it+)

System out point ("In Enter credits for Subject"+1i+1)" credits [i] = scanner. next Int ();

System, aut. Print ("In Friter marks for Subject "+(i+1)"); marks[i] = scanner next ( nt 1);

Scames. close 13: 10. trabate = again and

Systemant - printer ("USN:" + USN);

System. out . println("Name: "+ name);

3/

```
Public word double Calculate SCAPA () 1
                Int total Cledits =0;
                int weighted Sum = 0;
                double ans:
                                 of charles and it is all
                for (int i= 0; iz credits. largen; i++) {
                      total (Redus + = (Redits [i]:
                       int gade Points:
                       gradefaints = (malke [i] /10)+10;
                       if (gradefoints == 11) {
                            glade Points = 10:
                       else is 1 gradefoints 2=4) {
                            godePoints = 0;
                        meighted Sum += grade Points + chedits [i];
                and = (double) meighted Sum / (double) total Redits;
                sletum and;
         3
public class sapa t
     Public Static word main (String [] args) &
           Scannel Scanner = new Scanner (System. in);
            Student Student = new Student ();
            Student. accept Details 10;
           System. out. Println ("In Student Details: ");
            Student. display Rotails U;
```

double Agpa = Student. calculate ShPA (): System. out. printh ("In SGPA: "+ Sgpa);

Scanner close (5 - 1 120 ) 2 miles - Summer

## Output !-

Enter USN: 1BM 22CS023

Enter Name : Agam

Friter chedits for Subject 1:4

Entel marks for subject 1; 96

Entel chedits gos Subject 2: 4

Entel males for subject 2: 97

Enter credit for subject 3: 3

Fretel malks for Subject 3: 85

Enter Cledits for Subject 4: 3

Entel Gedill for Subject 4: 88

Forter cledits for Subject 5: 3

Exter malks for Subject 5: 96

Enter cledits for Subject 6: 1

Enter marks for subject 6: 94

Firter cledits for Subject +: 1

Finter marks for Subject 7:86

Fixter chedits for Subject 8: 1

Enter marks for Subject 8:84

Student Details:

Enter USN: 18M22 CSO23

Frotes Nome: Agen

30.PA: 9.6