2) Develop a tava program to create a class. Student with members using name, an array credit, an acriay marks. Include methods to accept and display details and a niethood to colculate SGPA of the Student.

formula for SCSPA

Supa = E ((Course Grédits) (éjude points)

E[(course crediti)]

CypA = E[ (Course credit) (grade points) E (course Credin)

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```
imposit gara etil. x;
dan subject ?
 ant subgeet Marks;
 ant conedits;
 ent grade;
y
dan student?
  6 Student student[];
    String mane;
   String u(n)
   double SGPA;
   Scanner sc= new Scanner (system. in);
  Student () &
   int i;
   subject = new Subject [8];
   for (1=0; 128; 1++)&
   Subject [i] = new Subject ();
  4
 public void getstudent Details ()?
      system out println ("enter your name");
      name = sc. next line();
     System out println (" usn'1);
       Usu= se. nextline();
```

public void get Marks () & for (int 1=0; i(8; i++)? system out println ("Enter the marks 10"+ (i+1); subject [i]. subject Marks = sc. next 9nt (); System out println ("Enter the credits to" + (i+1)" subject "); subject (i). And onedit = sc. Mext Int(); Subject (i). grade = (subject (i). marks/10)+1; if (subject [i] . grade = = 101) & Subject[i]. grade = 10 if (subject[i]. grade \( 4) \( \) subject(i]. grode = 4 public void Compute SCJPAC) & int effective Score = 0; int total = 0;

float SGPA = 0')

for (int 1=0; 1/8; 1++) { effective Score + = (subject [i]. credit + subject (i). grade); total t= subject (i). creality; System. out. println ("effective score: "+ effective score); System. out. println (" total: ", + total); 36 pA = effective Score/total; System. out. println ("SUPA", "+SUPA)", Class java Maiin & public static void main (string args ())? Student s= new Student (); s. get Student Details (); S. get Harks (); S. compute SGPA (); System. out. println("name: "+ s. name); system. out. print ln (" usn: " + s. wn); System.

Output: enter your name SOHAN USM 2023BM102532 enter the marks for I subject 80 enter the coedity of 1 subject 4 enter the marks for 2 subject 70 enter the credits of 2 subject 4 for 3 subject enter the marks 67 the oredits of 3 subject 3 enter the marks \$ 4 subject 58 the credits of 4 subject 3 the marks for 5 subject 69 enter the credit of 5 Subject 4

enter the marks for 6 subject 87 enter the viewith of 6 subject 2 marly enter the credits for 7 subject **1**59 enter the credits of 7 subject 1 enter the marks for 8 subject 50 enter the credits of 8 subject 1

effective score: 165 total credit : 22 SGPA; 70

name: SOHAN

USn: 2023BMS 02532