( ( ) Lab 2 - 19/12/2023 KA1-12-23 1. Donalop a Java program to create a close Student with members com name, an array credit and an array marks. Include methods to accept and display details and a method to Calculate SGPA of: a steedent. SGIPA = 5 (course Gedile) (ando Points) & Course Cred 15) public class Subject int subjectmarks; int coedits;
int grade; import java-util-Scarrer; public class Student Subject sub []; String name; String usn; double sopa; Scanner Scan=new Scanner (System.in); Student () gut = New Subject [8]; for (int i=0; 1 < 8; i++) Sub [i] = new Subject (); Scorn= new Scanner(System-in);

```
void get Student Details ()
System. out. perint lu ("Enter name: ");
name = Sean. next Line ();
Goten-out. printly ("Enter USN: ").
um = Scom · next Line ();
public void getMarks ()
forlint i=0; i< 8; i++)
System-out print la (" Enter Subject to "+ (i+1)+"
Sub-[i]- Subjectmerks = seam · next Int();
System.out. printle ("Enter Subject "+ (i+1) 4 "Credits:"
Sub [i]. Credits = sean. next Int ();
if (sub-[i]. subject marks == 100)
Sub [i]. grade = 10;
else if (Sub [:]. Subject marks (40)
sub[i] · grade =0;
sub[i].grade = (sub[i].subject marks/10)+1;
public void compute SGPA ()
int sumc=0;
double prod=0;
for (int i=0;i<8;i++)
                                   to be the vist of
```

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10 11 2011
 sumc = sumc + sub[i]. credits;
prod = prod + (sub[i]. grade x sub[i]. credits).
 Sgpa=prod/sumc;
public class SGFF Sgpa
 public static void man (String args [])
  Student SI= new Student();
  SI. get Student Details ();
  S1-gy Marks();
  Systemoout. point la ("Name: "+ 21. name);
  SING compute (GIPA ();
  System.out. println ("USN:" + SI- usn);
 System = out . println ("S.No It Subject Marks It Credits
                        (+ brade ");
  for (int i=0; i<8; i++)
   System. out. perintly ((i+1)+"1+51. Sub [i]. Subject-
                       marks +" It" + SI-Sub-[; ]. credits
                        + "\t"+ s1. sub-[i]. grade);
 System. out. perint lu ("SGPA =" + SI- grade);
System. out. perint lu ("-----
```

```
ystem. out-printly ("Sucha N Shastri - 1BM22CS283").
output:
Enter name:
Sneha
Enter USN:
1BM22CS283
Enter Subject 1 Marks:
90
Enter Subject 1 Credits:
Enter Subject 2 Marks:
Enter Subject 2 Credits:
                                     derest to the
Enter Subject 3 Marks:
Enter Subject 3 Credits:
Enter Subject 4 Marks:
Enter Subject 4 credits:
Enter Subject 5 marks.
Enter Subject 5 credits:
```

Francis ("Sheha N Shastri - 1BM 22 CS 283"). part of the constant output: MINH P BYTHE MANER Enter name: THE T TOPLES IN Sneha Enter USN: released to the plant of the 1BM22CS283 Enter Subject 1 Marks: that English is the 90 Enter Subject 1 Credits: Enter Subject 2 marks: Davis Sola ERCSTREMAIN NIM. 97 Enter Subject 2 Credits: Sto Subject Marker Enter Subject 3 Marks: Enter Subject 8 Credits: Enter Subject 4 Marks: Enter Subject 4 credits: Enter Subject 5 marks: P FER - A908 Enter Subject 5 credits:

Enter Subject 6 Marks:

97

Enter Subject 6 crealists:

3

Enter Subject 7 Marks:

90

Enter Subject 7 credits:

1

Enter Subject 8 Marks:

95

Enter Subject 8 Creatis:

95

Name: Sneha

USN: 1BM22CS283

S.No	Subject Marks	Credits	Grade
١	90	H	10
2	97	4	10
3	87	3	9
4	88	3	9
5	89	3	a 2 <mark>Q</mark>
6	97	3	lo
7	90	1	75 and
8	95	1	10
SGPA=	: 9.5909		10

Sucha N Shastri - 1BM 22CS 283