IBMI9CS143 LAB-1 Sarridhi Kasturi harelly DATE: 09.10.20 Makulating SGPA of a given student. import java, util. *; clais stident Private String USN; Private stung name; Private unt n; Private double SGPA = 0; private unt n; private int n; private double SGPA = 0; private double total fredits = 0; Scarner ss = new Scarner (System, in); void letails () System, out printly ("Enter the USN of the student"); USN = Is nonthine (); System. out. printlu!" Enter the name of the student "); name = ss. nenthinel); Bystem out printen ("Enter no. of subjects") n = ss. nentsht(); int credits [] = new int [n]; double marks [] = new double & [n];
System. out. println ("Ener the details of
the subjects"); falint i = 0; i < n; i + 4) lystem. Out. printlu ("Enter creduts alloted to the subject" + (i+1);

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redits [i] = ss. nentInt ();
System. out. printen (" Enter marks in the
malks [i] = ls. nent Int ();
valculate (credits [i], marks [i], i);
your Malculate (int crodit, double mark, intj)
  total chedita = total Chedits + chedit;
 2 (mark) = 90 && mark <=100)
 SOPA = SOPA + (10 * credit);
 else if ( mark >=80 &2 mark <=89)
 SGPA = SGPA + (9 * cledit);
 else if (mark) = 40 &8 mark <= 79)
 SOPA = SOPA + (8 * credit);
 else if (mark > = 60 & mark < = 69)
 SUPA = SGPA + (6* credit).
 ele if (mark >= 50 && mark <= 59)
 SGPA = SGPA + (6x credit);
  all if (mark > = 40 27 mark < = 49)
 SGPA = SGPA + (5x credit);
  else
System. Out. printlu ("Failed in subject"+(j+1);
 void Display()
   System. out. printly ("Details of the Student");
System. out. printly ("Name: "+ rame);
System. out. printly ("DSN:"+USN);
System. out. printly ("SGPA of student"
+ (SOPA (total Gedits));
```

Public static void main (String args EJ) Student SI = new Student (); SI. Details (); 31. Display(); Algorithm: 1. Start. e. Input USN, Name, no. of subjects and the détails of the subjects le crédits and marks cas USN, name, n, audit s [i], marks [i]. 3. Set itotal Credits = total Credit + credit 4. Set SGPA = SGPA + (credit * number) where the number = 10,9,8,6,7, 5 vacc. to market 5. if number = 5 5. Olse print "failed in Subject" 6 Print "Petails of the Indent", name, USN and the calculated SGPA of the student

Sample Output: Enter USN of the student. 1BM19CS 143 Enter name of the student. Sannidhi Enter no. of subjects. Enter credits alloted to subject 1 Enter marks in subject 1 90 Enter redits alloted in subject 2 Enter marks in subject 2 100 Petails of the Student Name: Sannishi Student USN: IBM19CS143 SGPA of student : 10.0