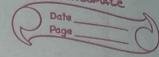
16/10/24 Develop a Java program to create a class student with member's usn, name, an array credits and an array marks. Enclude methods to accept and display details and a method to calculate syph of a student Source Code Emport java. util. *; 1488918600120013801420das Subject { 328, 128 (20) 2 (0) 1 8.0 int subject Marks, credits, grade; void Calculate Grade () { if (subject Harles > = 90) grade = 10; else if (Subject Marks >= 80) grade = 9; else if (subject Marks >= 70) grade = 8; else if (subjectHarks > = 60) grade=7; else if (subject Marks >= 50) grade=6; else if (subject Marks > = 40) lse grade =0; class Student f String usn, name; double SGPA; Subject subject [] = new Subject [8]; Scanner sc = new Scanner (Systems in);

```
void Student () {
    for (i=0; il8; i++)
    subject [i] = new Subject ();
 System out. Printly ("SUPA: " + SGPA);
void Student Details ()
    System. out . println ("Enter usn: ");
     usn = $ sc. next ();
     System-out print In (" Enter name: ");
     name = sc. nest();
  System out printly ("Enter shedent de
       student [1] = new Student ():
void get Marks (18 18 18 18 18 18 18 18
    for (int i=0; i18; i++)= [
    System-out print ("Enter marks: flates per ");
         subjects li], subject Marks = sc. next Int ();
         System. out. println ("Enter credits: ");
         Subject [i] credits = 8c next Int ();
         Subjects (i). Calculate Gade ();
      calc SGPA
 void SEPAC) [
  int total credits = 0;
   for Ciutizo; il8; 9++) (002) esM81 3420 1000
        Score + = subjects [i]. credits * subjects [i]. grade:
        total _ exedits + = subjects [i]. credits;
    SGPA = Score / total - credits;
```



void toping display () ? System. out. printin ("USN: "+ usn); System out println ("Name: "+ name); System-out. Println ("SGPA: " + SGPA); wild Stade to the get Stadent Retail () class Stud Details { public static void main (String E) args) { Student students [] = new Student [3]; for (int j = 0; j < 3; j++) & details for System-out print in ("Enter shudent" details"); +(i+1)+":"); Students (j] = new Student (); Students Ej J. get Student Details (); Students CJJ-get Marks (1; Students [j]. SGRACL; calcs GPA(); Hat 3 me se a drakt bridge Til draidus for (int i=0; il3; i++) ? students [i]. display (); Subject (i). Calculate ande (). ? Output: SASTAR GOOD STORE STORE Enter the details for student 1: Enter USN: 18M23CSOOT (4500) Enter Name: AA Enter marks: 29 . 19 Harridge + Ulbary Jaho

Enter credits: 4

Enter credit: 1

Enter marchs: 98

