```
LAB Program 2
a Pevelop a java program to create a class students with members usn
    I name and array credits and array marks. Include methods to
    accept and display details and a nethod to calculate 36,PA of a
     student
       import java. util. Scanner;
        Class subject à
             int subject Marks;
             int credits;
             double grade;
         class student &
             String name;
              String usn >
               double SGPA;
                Sconner 5 j
                Subject [] subjects;
           student () }
                 Subjects = new subject [9];
                  for (i=0; i=9; if+)
                        subjects [i] = new Subject () ')
                   S = new Scanner (System.n) >
               void get Student Petails ( ) {
                     System out print In ("Enter the student name")
                         name = s. a nest line ();
```

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System out printly (" Enter USN"),
  von = 6 neat line ();
void getmarks () &
    for (Inti=0) i<8; i++) &
       System . Out . print ln ("Enter marks for subject "+ (i+1) + ":");
        Subjects [i] · subject Marks = S. next Int ();
        System. out. print In (" later credits for subject" + (i+1) +":");
        Subjects [i] . credits = s next Int ();
         Dubjects (D) coledity as
        Subjects [i].grade = subjects [i]. Subject Marks/10.0 + 1.0;
if (Subjects[i].grade = 11)
subjects[i].grade = 10;
  Void compute SGPA () §
      double total credits = 0;
      double reighted Sum = 0;
      for linti=0; i=8; itt ) {
              total Credits + = subjects [i] .credits;
              weighted Sumt = Subjects [i ]. credits * Subjects [i ]-grade;
         SGPA = weighted Sum / total Credits;
   void display Result () 9
         System.out. print la ("Student Name: " + name);
         System. Out. println ("USN: " +USN) >
         System . out . print In ["ShPA?" + ShPA);
```

```
public class main &
       Public static void main ( string [ ] args) &
             Student s1 = new student ();
              Sl. get Student Details ();
               51 get Marks ();
               SI. compute SGPA()>
              Sladisplay Result ();
Output.
fenter Student Name:
  Sohan
  Enter USN:
  18M7715285
  Enter marks for Subject 1 .
   Enter madres for subject!.
     4
   Exter marks for Subject 2:
    Enter crealits for Subject 2:
    Extermarks for Subject 3:
      85
     Enter credits for Subject 3:
     Enter morks for Subject 4:
      Enter credits for Subject 4:
```

Enter morks for Subject 5 85 lenter credits for subject & Enter marks for Subject 6: Enter credits for Subject 6: Enter marks for Subject 7. 90 Enter credits for Subject 7 Enter marks for Subject 8 Enter credits for Subject 8. Student Name: sohan USN. IBM2715285 SGPA: 9.845454545456