

19112123

LAB-3

1) Pgm to find USN, SGPA .. ?

develop a Java Pgm to create a class student with
members USN, name , an array credits and array
marks

```
import java.util.Scanner;  
  
class subject  
{  
    int subjectMarks;  
    int grade;  
    int marks;  
}  
  
class student  
{  
    Subject subject [];  
    String name ;  
    String usn ;  
    Scanner s ;  
    Subject [] student();  
    {  
        int i;  
        subject = new Subject [9];  
        for(i=0;i<9;i++)  
            subject[i] = new Subject();  
        s = new Scanner (System.in);  
    }  
}
```

```
3  
void getStudentDetails()  
{  
    System.out.print("Enter your name:");  
    name = s.next();  
    System.out.print("Enter your USN:");  
    USN = s.next();  
}  
  
void getMarks()  
{  
    for (i=0; i<9; i++)  
    {  
        System.out.print("Enter marks for subject" + (i+1) + ":");  
        subject[i].subjectMarks = s.nextInt();  
        subject[i].subjectMarks = subject[i].subjectMarks / 10 + i;  
        System.out.print("Enter credits for subject" + (i+1) + ":" + );  
        subject[i].credits = s.nextInt();  
        if (subject[i].grade >= 11)  
            subject[i].grade = 10;  
        if (subject[i].grade <= 4)  
            subject[i].grade = 0;
```

System.out.print
System.out.print
System.out.print

Output:

Enter your name:

Enter your USN:

Enter marks:

Enter

Enter

Enter

Enter

Enter

Enter

Enter

Enter

Enter

```
void computSGPA() {  
    int effectiveScore = 0;  
    int totalCredits = 0;  
    for (int i = 0; i < 9; i++) {  
        effectiveScore += subject[i].grade * subject[i].credits;  
        totalCredits += subject[i].credits;  
    }  
    SGPA = (double) effectiveScore / (double) totalCredits;  
}  
  
class main {  
    public static void main (String args[]) {  
        Student s1 = new Student();  
        s1.getStudentDetails();  
        s1.getMarks();  
        s1.computeSGPA();  
    }  
}
```

```
System.out.println("name: " + s1.name);  
System.out.println("USN: " + s1.usn);  
System.out.println("SUPA: " + s1.SUPA);
```

Output:

Enter your name: Harsh

Enter your USN: IBM22CS248.

Enter marks for subject 1: 80

Enter credits for subject 1: 5

Enter marks for subject 2: 70
6

Enter marks for subject 2: ..

Enter marks for sub 3: 50

Enter marks for subject 4: 5

Enter marks for subject 4: 90

Enter marks for subject 5: 9

Enter marks for subject 5: 88

Enter marks for subject 6: 7

Enter marks for subject 6: 6.5

Enter marks for subject 7: 70

Enter marks for subject 7: 6

Enter marks for subject 8: 80

Enter marks for subject 8: 8

Enter marks for subject - 9: 50

Enter marks for subject - 9: 4.

Name : Harsh

USN: IBM22CS248

SUPA-3.272

SG
19/12/23