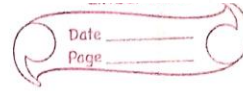


Develop a java program to create a class Student with members usn, name, an array credits and an array marks. Include methods to accept and display details and a method to calculate sgpa of a student.

Lab-program 2



import java.util.Scanner;

class Student {

String usn;

String name;

int credits[];

int marks[];

double sgpa = 0;

int cts = 0;

int totcred = 0;

void acceptor (String usn, String name,
int credits[], int marks[]) {

this.usn = usn;

this.name = name;

this.credits = credits;

this.marks = marks;

}

Student (int credsize) {

credits = new int[credsize];

marks = new int[credsize];

}

void display () {

System.out.println ("usn : " + usn + "\n" +

"name : " + name + "\n" + "sgpa : " + sgpa);

}

void sgpaCalc () {

for (int i = 0; i < marks.length; i++) {

if (marks[i] >= 40) cts = 0

else cts = marks[i] / 10;

sgpa = (sgpa + totcred) * 10;

sgpa += cts * credits[i];

totcred += credits[i] * 10;

}

sgpa = (sgpa / totcred) * 10;

}

}

class lab-3\$

```

public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    System.out.println("Enter the no of courses");
    int n = s.nextInt();
    int credits[] = new int[n];
    int marks[] = new int[n];
    Student st = new Student(n);
    System.out.println("Enter the credits of  
the courses: ");
    for (int i = 0; i < n; i++) {
        credits[i] = s.nextInt();
    }
    System.out.println("Enter your user name");
    String user = s.next();
    String syllable = s.nextLine(); // consumes \n
    String name = s.nextLine(); // for spaced input
    System.out.println("Enter your marks in  
each subject");
    for (int i = 0; i < n; i++) {
        System.out.println("Enter the marks  
obtained in " + i + " course (credits  
+ credits[i] + " ) : ");
        marks[i] = s.nextInt();
    }
    st.accept(user, name, credits, marks);
    st.separator();
    st.display();
    s.close();
}
}

```

OUTPUT:

```
C:\Users\BMSCECSEIL74\Desktop>javac LAB2.java
C:\Users\BMSCECSEIL74\Desktop>java lab_2
Enter the number of courses
9
Enter the creadits of the courses:
4
1
1
1
1
1
3
3
3
3
Enter your usn,name
1BM21CS019
AMSHU G M
Enter your marks in each subject
enter the marks obtained in 0 course (credits= 4) :90
enter the marks obtained in 1 course (credits= 1) :98
enter the marks obtained in 2 course (credits= 1) :98
enter the marks obtained in 3 course (credits= 1) :84
enter the marks obtained in 4 course (credits= 1) :86
enter the marks obtained in 5 course (credits= 3) :56
enter the marks obtained in 6 course (credits= 3) :87
enter the marks obtained in 7 course (credits= 3) :87
enter the marks obtained in 8 course (credits= 3) :87

-----
usn:1BM21CS019
name:AMSHU G M
sgpa:8.85
```