

Lab Week-4

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18M19CS206

import java.util.Scanner

class student {

Scanner inp = new Scanner(System.in);

String USN, Name;

int credits[] = new int[5];

float marks[] = new float[5];

int points[] = new int[5];

float sgpa;

int total credits = 0;

void input() {

System.out.println("enter student USN:");

USN = inp.nextLine();

System.out.println("enter student name");

Name = inp.nextLine();


```
for (int i = 0; i < 5; i++) {  
    System.out.println("enter credit for  
    subject " + (i+1) + " : ");
```

```
    credits[i] = inp.nextInt();
```

```
    totalCredits += credits[i];
```

```
    System.out.println("enter marks  
    for the subject " + (i+1) + " : ");
```

```
    marks[i] = inp.nextInt();
```

```
}
```

```
}
```

```
void display() {
```

```
    System.out.println("Student UIN: " + UIN);
```

```
    System.out.println("Enter student name: "
```

```
    + Name);
```

```
    for (int i = 0; i < 5; i++) {
```

```
        System.out.println("subject " + (i+1) +
```

```
        " - credits: " + credits[i]
```

```
        + " Marks: " + marks[i]);
```

```
}
```



```
System.out.println(" SCIPA of " + Name +  
" is: " + (float)(SCIPA/total  
credits));
```

```
}
```

```
Void calscipa () {
```

```
for (int i = 0; i < 5; i++) {  
    if (marks[i] > 100) {  
        System.out.println(" error ");  
        return;  
    }
```

```
    else if (marks[i] >= 90) {  
        points[i] = 10; }
```

```
    else if (marks[i] >= 80) {  
        points[i] = 9; }
```

```
    else if (marks[i] >= 70) {  
        points[i] = 8; }
```

```
    else if (marks[i] >= 60) {  
        points[i] = 7; }
```



```
else if (marks[i] >= 50) {  
    points[i] = 5; }  
}
```

```
else if (marks[i] >= 40) {  
    points[i] = 4; }  
else { points[i] = 0; }
```

```
    SGPA += (points[i] * credits[i]);
```

```
    }
```

```
}
```

```
}
```

```
class S {
```

```
    public static void main (String args[]) {  
        student s1 = new student();
```

```
        s1.input();
```

```
        s1.SGPA();
```

```
        s1.display();
```

```
        s2.input();
```

```
        s2.SGPA();
```

```
        s2.SGPA();
```

```
    }
```

```
}
```