

LAB 6 → CIE and SEE package

// student.java

package CIE;

import java.util.Scanner;

public class Student {

protected String USN = newString();

protected String name = newString();

protected int sem;

void input Student Details () {

Scanner s = new Scanner (System.in);

usn = s.nextLine();

name = s.nextLine();

sem = s.nextInt();

Student () {

}

Student (String usn, String name, int sem) {

this.usn = usn;

this.name = name;

this.sem = sem;

Finals

Internals Java

```
import java.util.Scanner;
package CIE;
```

```
public class Internals extends Student {
    protected int[] marks = new int[5];
    String name;
    String nm;
    int sem;
```

```
void input CIE details()
```

```
Scanner s = new Scanner(System.in);
System.out.println("Enter internals marks in subjects");
```

```
for (int i=0; i<5; i++) {
    System.out.println("Sub " + (i+1));
    marks[i] = s.nextInt();
}
```

```
Internals() { }
```

```
Internals (String nm, String name, int sem, int marks) { }
```

~~Super (nm, name, nm);~~

```
for (int i=0; i<5; i++) {
    this.marks[i] = marks[i]; }
```

```
void display Student Details () {  
    System.out.println ("Name" + this.name + "USN"  
        + this.usn + "Sem:" + this.sem);  
    System.out.print ("Marks:");  
    for (int i = 0; i < 5; i++) {  
        System.out.print ("Subject " + (i + 1) + ":" +  
            marks[i]);  
    }  
}
```

//External.java

```
package SEE;  
import CSE.internals;  
  
import java.util.Scanner;  
  
public class External extends Internals {
```

protected int[] marks1 = new int[5];
protected final Marks = new int[5];

External () {

```
    public void input SEE marks () {  
        System.out.println ("Enter SEE marks");  
        for (int i = 0; i < 5; i++) {  
            System.out.print ("Subject " + (i + 1) + " marks");  
            marks2[i] = s.nextInt();  
        }  
    }
```

```

public void calculate() {
    for (int i = 0; i < 5; i++) {
        final Marks = marks1[i] / 2 + Super.marks[i];
    }
}

```

```

public void displayFinalMarks() {
    displayStudentDetails();
}

```

```

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

```

```

System.out.println("Subject" + (i + 1) + finalMarks[i]);
}
}

```

Y
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//

main.java

```

import SEE.External;
import java.util.Scanner;

```

class main

```

public static void main (String args[]) {
}

```

```

Scanner s = new Scanner (System.in);

```

int n;

```

System.out.println ("Enter no. of students");

```

```

n = s.nextInt();

```

```

External finalMarks[] = new External[n];

```

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

```
    finalMarks[i] = new External();
```

```
    finalMarks[i].inputStudentDetails();
```

```
    finalMarks[i].inputCIEDetails();
```

```
    finalMarks[i].inputSEEMarks();
```

3

```
System.out.println("Final details : ");
```

```
for(i=0; i<n; i++) {
```

```
    finalMarks[i].calcFinalMarks();
```

```
    finalMarks[i].displayFinalMarks();
```

3
y

OUTPUT:

No. of students : 1

Enter WSN : 237

Enter name : Sanghamitra

Semester : 3

Enter CIE marks:

Subject 1 : 22

Subject 2 : 27

Subject 3 : 34

Subject 4 : 37

Subject 5 : 36

Enter SEE Marks:

Subject 1: 90

Subject 2: 93

Subject 3: 91

Subject 4: 94

Subject 5: 93

Displaying data:

Name: Sanghamitra K

VSN: 234

Subject 1: 78

Subject 2: 72

Subject 3: 83

Subject 4: 84

Subject 5: 83

112
1-14
10