

2024/01/23
Tuesday
Lab-6

Package

classmate

Date _____

Page _____

- 6 Develop a Java program & create a CIE package consists of Students and Internals classes and SFE package

I) CIE Student.java

```
package CIE;  
import java.util.*;  
public class GSSStudent{  
    protected String name = new String();  
    protected String USN = new String();  
    protected int Sem;  
    public void InputStudentDetails(){  
        Scanner sc = new Scanner(System  
            .in);  
        System.out.println("Name");  
        name = sc.nextLine();  
        System.out.println("USN");  
        USN = nextLine();  
        System.out.println("Sem");  
        Sem = s.nextInt();  
    }  
    public void display(){  
        System.out.println("Student details");  
        System.out.println("Name: " + name);  
        System.out.println("USN: " + USN);  
    }  
}
```

System.out.println("Sem" + sem);

CTE - Internals Java.

package CTE

import java.util.*;

public class Internals extends Student {

protected int marks[] = new int[5];

public void Input() {

Scanner s = new Scanner(System.in);

System.out.println("Enter the

marks of " + student + " ");

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

marks[i] = s.nextInt();

}

?

SEF Externals.java:

package SEF;

import CTE.Internals;

import java.util.*;

public class Externals extends Internals {

protected int marks[];

protected int final marks[];

}

public void Input() {

```
Scanner s = new Scanner(System.in);
```

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

```
    System.out.print("Student"+(i+1)+"\n" +  
        "marks");
```

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

{

```
public void marks() {
```

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

```
        finalmarks[i] = marks[i]/2 + super.marks[i];
```

{

```
public void displaymarks() {
```

```
    display();
```

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

```
        System.out.println("Subject"+(i+1)+"\n" +
```

```
            "Score"+(i+1)+"\n" + finalmarks[i]);
```

{

{

```
studentmain.java
```

```
package SFF;
```

```
import SFF.Externals;
```

```
public class studentmain
```

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

Int n = 1;

Externals Final marks [] = new

Externals [n];

For (int i = 0; i < n; i++) {

Final marks [i] = new Externals();

Final marks [i]. inputs student detail;

System.out.println("Enter SEE marks");

Final marks [i]. inputSee();

System.out.println("Enter SEE
marks");

Final marks [i]. InputSee();

System.out.println("Display data");

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

Final marks [i]. ctmarks();

Final marks [i]. displaymarks();

}

}

Output:

Name: Shiv Sundar Seth
USN: LB0M22CS258

SEM: 3

Enter the CSE marks.

50 49 47 46 48

Enter SEE marks.

Subject 1 marks: 98

Sub 2 marks: 95

Sub 3 Marks 89

Sub 4 Marks 91

Sub 5 Marks 92

Display data.

Name: Shiv Sundar Seth

USN: LB0M22CS258

Sem: 3

Sub 1: 98

Sub 2: 97

Sub 3: 90

Sub 4: 92

Sub 5: 91