

Lab 6

- Q Create a package CIE has 2 classes Student & Internals.
 ----- n students in all five courses -----

```
package CIE
```

```
import java.util.Scanner;
```

```
public class Student {
```

```
    public String USN, name;
```

```
    public int sem;
```

```
    public void inputStudentDetails() {
```

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

```
        S.o.p("Enter the student USN:");
```

```
        USN = sc.nextLine();
```

```
        S.o.p("Enter the student name:");
```

```
        name = sc.nextLine();
```

```
        S.o.p("Enter student semester:");
```

```
        sem = sc.nextInt();
```

```
    }
```

```
    public void display() {
```

```
        S.o.p("Student USN" + USN);
```

```
        S.o.p("Student name" + name);
```

```
        S.o.p("Student sem" + sem);
```

```
    }
```

```
}
```

```
package CIE;
```

```
import java.util.Scanner;
```

```
public class Internals extends Student {
```

```
    public int marks[] = new int[5];
```

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

```
        Scanner sc = new Scanner(System.in)
```

```
        for...
```


//_

```

Scanner
for (int i=0; i<5; i++) {
    s.o.p("Enter marks of subject"
        + (++i) + ": ");
    marks[i] = sc.nextInt();
}
}

```

```

package SFE;
import CTF.Tutorials;
import java.util.Scanner;
public class External extends CTF.Tutorials {
    public int marks[] = new int[5];
    public int finalMarks[] = new int[5];

    public void getSFEMarks () {
        Scanner sc = new Scanner (System.in);
        for (int i=0; i<5; i++) {
            s.o.p("Enter " + (i+1) + " marks:");
            marks[i] = sc.nextInt();
        }
    }
}

```

```

    public void calculate FinalMarks () {
        for (int i=0; i<5; i++) {
            finalMarks[i] = marks[i] / 2 + super.marks[i];
        }
    }
}

```

```

import SFE.Externals;
class Package Main {
    public static void main (String args[]) {
        int numofStudent = 2;
        Externals finalMarks[] = new External [numofStudent];
    }
}

```



```
for (int i=0; i < num of student; i++) {  
    finalMarks[i] = new External();  
    finalMarks[i].getStudentInfo();  
    S.o.p ("Enter CE Marks:");  
    finalMarks[i].getCEMarks();  
    S.o.p ("Enter SEE Marks:");  
    finalMarks[i].getSEEMarks();  
}
```

```
System.out.println ("Display Data:");
```

```
for (int i=0; i < 5; i++) {  
    finalMarks[i].display();  
    finalMarks[i].calculateFinalMarks();  
    finalMarks[i].getFinalMarks();  
}
```

O/P

Enter Student USN: 1BM22CS268:

Enter Student name: Shreya

Enter student semester: 3

Enter CE Marks:

Enter 1 marks: 45

Enter 2 Marks: 44

Enter 3 Marks: 46

Enter SEE marks:

enter 1 marks: 98

Enter 2 marks: 95

Enter 3 Marks: 96

↳

Enter student USN: IBM22CS265

Enter student name: Shreya

Enter student semester: 3

Enter CB Marks:

Enter 1 Marks: 45

Enter 2 Marks: 44

Enter 3 Marks: 43

Enter SEB Marks:

Enter 1 Marks: 97

Enter 2 Marks: 98

Enter 3 Marks: 96

displaydata:

Student Name: Shreya

Student USN: IBM22CS266

Semester: 3

Marks of 1 subject: 94

Marks of 2 subject: 91

Marks of 3 subject: 94

Student Name: Shreya

Student USN: IBM22CS265

Semester: 3

Marks of 1 subject: 91

Marks of 2 subject: 93

Marks of 3 subject: 92