LAB - 6

```java
Package CIE;

import java.util.*;

public class Internals extends student {
        public int marks[] = new int[5];
    scanner sinp = new Scanner(System.in);


    public void getData() {
            System.out.println("Name");
        name = sinp.nextLine();
        System.out.println("Sem");
        sem = sinp.nextLine();
        System.out.println("Usn : ");
        usn = sinp.nextInt();


        System.out.println("Enter marks of 5
                    subjects");

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


        }
    public void Displaydata() {

        System.out.println("Name : " + name);
        System.out.println("Sem : " + sem);
        System.out.println("Usn : " + usn);
```

```java
system.out.println ("    \n Internal
                            marks \n: ");

    for (int i = 0; i<marks.length; i++) {
            system.out.println (marks [i] + " ");
    }
}

}


package CIE;

public class Student {
                int usn;
                String name = new String ();
                int sem;
}


package SEE

import   CIE.*;
import java.util.*;

public class external extends Student {

        public int fmarks[] = new int [5];
        scanner sminp = new scanner (System.in);
```

```java
public void getmarks() {
    System.out.println("Entu SEEmarks in 5");
    for (int j=0; j< fmarks.length ; j++) {
        System.out.println("Subject" + (1+j));
        fmarks[j] = sminp.nextInt();
    }
}

public void Displayfu() {
    System.out.println("nn SEEmarks \n");
    for (int i=0; i< fmarks.length ; i++) {
        System.out.println(fmarks[i] + "#");
    }
}
}

package final;

import CJE.*;
import SEE.*;

import java.util.;
```

```java
public class finalmarks { int x[], int y[] }

    int sum[] = new int [5];

    for (int i = 0; i<5; i++) {
        sum [i] = x[i] + (y[i]/2);
    }
    system.out.println ("Final marks in the course :");

    for (int i=0; i<5; i++) {
        system.out.println ("course " + (i+1));
        system.out.println (sum [i]);
    }
}

public static void main (String[] args) {
        int n;
        Scanner msp = new Scanner (system.in);

System.out.println ("Enter the total no. of
                            students "):

        n = msp.nextInt();

Internals I[] = new Internals [n];
externals E[] = new externals [n];
```

```java
for (int i=0; i<n; i++) {
        System.out.println ("Enter the Data of
                        student " + (i+1));

    I[i] = new Internals ();
    E[i] = new Externals ();

    I[i]. getDetails ();
    E[i]. getmarks ();
}
System.out.println ("Displaying Data");

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

    System.out.println ("Details " + (k+1));

    I[k]. Displaydata ();
    E[k]. Displaysee ();

    finalmarks (I[k]. marks, E[k]. fmarks );

}
```