

OOJ Lab. 9.

classmate

Date _____

Page _____

Program - c observation

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

```
public class Student  
{  
    public String name;  
    public String usn;  
    public int sem;  
    public void display()  
    {
```

```
        Scanner s = new Scanner (System.in);  
        System.out.println ("Name: ");  
        name = s.next ();  
        System.out.println ("USN: ");  
        usn = s.next ();  
        System.out.println ("Semester: ");  
        sem = s.nextInt ();  
    }  
}
```

SEE → package SEE;
import java.util.*;
import CIE*;
public class External extends CIE.Student
{

```

public double sum();
public void display()
{
    sum = new double (5);
    Scanner s = new Scanner (System.in);
    System.out.println ("SEE marks for 5 sub (out of 100):")
    for (int i = 0; i < 5; i++)
        sum (i) = s.nextDouble ();
    }
}

```

```

-> package CIE;
import java.util Scanner;
public class Internals extends students
{
    public double ciem ( );
    public void display ()
    {
        ciem = new double (5);
        Scanner t = new Scanner (System.in);
        System.out.println ("CIE marks for 5 sub (out of 50):");
        for (int i = 0; i < 5; i++)
            ciem (i) = t.nextDouble ();
        }
    }
}

```


main →

```

import CIE.*;
import SEE.*;
import java.util.Scanner;

public class main {
    public static void main (String [] args) {
        int n;
        Scanner s = new Scanner (System.in);
        System.out.println ("Enter the number of students:");
        n = s.nextInt ();
        CIE.Student st[] = new CIE.Student (n);
        SEE.Externals e[] = new SEE.Externals (n);
        for (int i=0; i<n; i++) {
            st[i] = new CIE.Student (1);
            int (i) = new SEE.Externals (1);
            e[i] = new SEE.Externals (1);
            st[i].display ();
            in (i).display ();
            e[i].display ();
            System.out.println ("Total marks of students " + st[i].
                name + " in 5 subjects are:");
            for int (int j=0; j<5; j++) {
                System.out.println (in (i).exam [j] + e[i].sum (j));
            }
        }
    }
}

```