

Lab - 6

Package CIE;

import java.util.Scanner;

public class personel

{

public String name;

public int sem;

public String usn;

public void read()

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the name");

name = sc.next();

System.out.println("Enter the usn");

usn = sc.next();

}

public void display()

{

System.out.println("Student details :");

System.out.println("Name : " + name + "\nUsn : " + usn + "\nSem : " + sem);

}

}

File-1
Class
Personel

File-2
Internal
Class

```
package CIE;
import java.util.Scanner;
public class Internal extends Personal
{
    public double cie[];
    public void accept()
    {
        cie = new double[5];
        Scanner sc = new Scanner(System.in);
        for (int i=0; i<5; i++)
        {
            System.out.println("CIE mark for course  
" + (i+1) + " : ");
            cie[i] = sc.nextDouble();
        }
    }
}
```

File-3
External
Class

```
package SEE;
import java.util.Scanner;
import CIE;
public class External extends Personal
{
    public double see[];
    public void get()
    {
        see = new double[5];
        Scanner sc = new Scanner(System.in);
        for (int i=0; i<5; i++)
        {
            System.out.println("SEE mark for " + (i+1) + " : ");
            see[i] = sc.nextDouble();
        }
    }
}
```


File 4
Main
class

```

import CIE · Scanner;
import SEE · Scanner;
import java · util · Scanner;
class Main
{
    public static void main (String args[])
    {
        public static
        Scanner sx = new Scanner (System.in);
        System.out.println ("Enter the number of
                               students");

        int n = sx.nextInt ();
        CIE · internal in [] = new CIE · internal [n];
        SEE · external en [] = new
            SEE · external [n];
        int i, j;
        for (i=0; i<n; i++)
        {
            System.out.println ("Student " + (i+1));
            int [i] = new CIE · internal ();
            en [i] = new SEE · external ();
            in [i] · read ();
            System.out.println ("CIE MARKS:");
            in [i] · accept ();
            System.out.println ("SEE MARKS:");
            en [i] · get ();
            System.out.println ();
            in [i] · display ();
            for (j=0; j<5; j++)
                System.out.println ("Total Marks for course
                                     " + (j+1) + ": " + (in [i] · ue [j] +
                                     (en [i] · see [j] / 2)));
        }
    }
}

```