Lab - 6

In cie package folder — Student.java and Internals.ja
In sce package folder — Externals.java
In default package — TotalMarks.java

File → Student.java

```
package cie;
import java.util.Scanner;
public class student
{
    String name;
    String usn;
    int sem;
    public Student()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the name of student:");
        name = sc.next();
        System.out.println("Enter the usn of student:");
        usn = sc.next();
        System.out.println("Enter the sem of student:");
        sem = sc.nextInt();
    }
}
```

File → ~~Student java~~ Internals. java

```java
package cie;
import java.util.Scanner;
public class ~~Student~~ Internals extends Student
{
    public double iem[]= new double[5];
    public Internals()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("cie marks:");
        for(int i=0; i<5; i++)
        {
            System.out.println("Enter the subject "
                + (i+1)+ " marks ::");
            iem[i]= sc.nextDouble();
        }
    }
}
```

File → Externals. java

```java
package see;
import java.util.Scanner;
public class Externals
{
    public double seem[] = new double[5];
    public Externals()
    {
        Scanner sc = new Scanner(System.in);
        for(int i=0; i<5; i++)
        {
            System.out.println("Enter the subject "+
```

```
                    (i+1)+ " sec marks::");
                    seem[i] = sc. nextDouble();
                }
            }
        }
```

File → TotalMarks.java

```java
import cie.*;
import see.*;
import java.util.Scanner;
public class TotalMarks
{
    public static void main(String args[])
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of students ::");
        int n = sc.nextInt();
        cie.Internals ci[] = new cie.Internals[n];
        see.Externals se[] = new see.Externals[n];
        for(int i=0; i<n; i++)
        {
            System.out.println("Student "+(i+1)+" details::");
            ci[i] = new cie.Internals();
            se[i] = new see.Externals();
            System.out.println(" The total marks of
            student "+(i+1)+ "in all 5 subjects");
            for(int j=0; j<5; j++)
            {
                System.out.println("Total marks in subject"
                + (i+1) + "::" + (ci[i].ciem[j] + se[i].seem[j]));
            }
        }
    }
}
```