LAB PROGRAM 6 :—

Internal.java

```java
package cie;
import java.util. Scanner;
class Student
{

    public String name;
    public String vsn;
    public int sem;
    public void details ()
    {

        Scanner sc = new Scanner (System. in);
        System. out. println ("enter Name: ");
        name = sc. next ();
        System. out. println (" enter USN= ");
        vsn = sc. next ();
        System. out. println (" enter Semester: ");
        sem = sc. next Int ();
    }
}

public class Internal extends Student
{

    public double ciemarks [] = new double [5];
    public void accept1 ()
    {

        Scanner sc = new Scanner (System. in);
        for (int i=0 ;i< 5 ; i++)
```

```java
        {
            System.out.println(" CIE marks /50 for subject
            ciemarks[i] = sc.            + (i+1)+ ":");
            ciemarks[i] = sc.nextDouble();
        }
    }
}


external.java
package see;
import cie.* ;
import java.util.Scanner;
public class External extends cie.Internal
{
    public double seemarks[] = new double [5];
    public void accept()
    {
        Scanner sc = new Scanner (System.in);
        for (int i=0 ; i<5 ; i++){
            System.out.println ("see marks (/100) for
                        subject "+ (i+1)+ ": ");
            seemarks[i] = sc.nextDouble();
        }
    }

    public void display()
    {
        double t;
        for (int i=0; i<5 ; i++)
        {
            System.out.println (" subject "+(i+1)+ "=
                    (ciemarks[i]+(seemarks[i]/2.0)));
        }
    }
}
```

Driver class :—

```
import cie.* ;
import see.* ;
import java.util.Scanner ;
class labbcode
{
    public static void main (String [] args)
    {
        int n ;
        Scanner sc = new Scanner (System.in);
        System.out.println ("enter no. of student");
        n = sc.nextInt();
        see.External e [] = new see.External[n];
        for (int i=0 ; i<n ; i++)
        {
            e[i] = new see.External();
            e[i] = details();
            e[i] = accept1();
            e[i] = accept2();
            e[i] = display();
        }
    }
}
```

Procedure :—

→ Create cie package.

→ Under that create public class Internal that inherits a student class.

→ Create see package & import cie package in it.

→ Under it, create public class External.

→ Create a driver class to call the packages & its respective classes & functions.