⑥ Develop a Java program and create a CIE Package consist of student and internal classes and SEE Package consists of extends and main class and display the student marks in internals & externals.

// Student.Java

```
Package. CIE;
import java.util.Scanner;
Public class student
{

    protected string USN = new string();
    protected string name = new string();
    predicted int sem;
public void input student details

    Scanner Scanner= new Scanner(system.in)
    System.out.println("enter USN;");
    USN = scanner.nextline();
    System.out.println("enter name;")
    name= scanner.nextline();
    System.out.println("Enter scanner;")
    sem= scanner.next int();
}

public void display student Details()
{

    system.out.println("USN;" + USN);
    System.out.println("name;" + name);
    System.output.ln("sem;" + sem);
}
}
```

LAB-06

* Create a package
```
// internals. Java
Package CIE;
import java.util.Scanner;
public class internals extends student {
        protected int marks [J= new int[5];
        Public void input CIE marks ()L
        Scanner. S= new Scanner (system. In);
        for (int i=0; i<5; i++)
            marks [i]= s.next int ();
        }
}
```

```
Package SEE;
import CIE. Internals;
import java.util.Scanner;
Public class externals extends Internals{
        Protected int marks []j
        Protected int final marks [];
        Public Externals ()L
            marks[] =new int [5];
            finalmarks= new int [5];
        }
        Public void input SEE marks ()L
        Scanner s= new scanner (system.in);
        for (int i=0; i<5; i++){
            system.out .Println ("subject "+ (i++)+
                                    marks;
            marks [i]= s. next int () >
        }
};
```

```
Public void Calculate Finalmarks = () {
    for (int i=0 ; i<5 ; i++)
        final .marks [i] = marks [i]/2 + super.marks[i]
}

Public void display Finalmarks () {
    display student petals ();
    for (int i=0 ;  i<5 ] i++)
    system.out .print ln ("subject "+ (i+1)i " : " +
                    Final marks [i] );
    }
}


import SEE .Externals;
class main{
    Public static void main (String args[] {
        int num0 F students = 2;
        Externals finalmarks [] = new External
                (numof student]
        finalmarks [i]= new Externals();
        finalmarks [i] inputstudent petals ();
        System .out Print ln ("Displaying Data:\n");
        For if int i= 0 ; i< numoF students; i++{
        Final marks [i] : Caleulate Finalmarks ();
        Finalmarks [i]: display Finalmarks ();
    }
    System .out . Print ln ("Shashank SP :
                        1BM22CS256 )
}
```

Output:

Enter student details:
1BM22CS256
shashank
3
Enter CIE marks:
Subject 1: 40
Subject 2: 45
Subject 3: 41
Subject 4: 48
Subject 5: 44
Enter SEE marks:
Subject 1: 80
Subject 2: 90
Subject 3: 86
Subject 4: 80
Subject 5: 84

Shashank-SP   1BM22CS256