Create a package CIE which has 2 classes - Student & Internals. The class student has member like usn, name, sem. The class Internals has an array that stores the internal marks scored in 5 courses of the current semester of the student. Create another package SEE which has the class external which is a derived class of student

```java
package CIE;
import java.util.Scanner;
public class student
{

    public String name;
    public String USN;
    public int sem;
    public void display()
    {

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


package CIE;
import java.util.Scanner;
public class Internals extends student
{

    public double iem[];

    public void display()
    {
        iem = new double [5];
        scanner sc = new Scanner (System. in);
```

```java
System.out.println(" CIE Marks for 5 subjects");
for ( int i = 0; i<5; i++)
ciem [i] = sc. nextDouble ();
}
}


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

public class Externals extends CIE Student
{
    public double seem [];

    public void display()
    {
        seem = new double [5];
        Scanner sc = new Scanner (System. in );
        System . out. println (" SEE Marks for 5 subjects
        (out of 100). " );
        for ( int i = 0 ; i<5; i++)
        seem [i] = sc. nextDouble ();
    }
}


File with name Main. java ( driver class)

import CIE . *;
import SEE . *;
import java. util. Scanner;
public class Main
{
    public static void main ( String args [])
    {
```

```java
int n;
Scanner sc = new Scanner (System.in);
System.out.println ("Enter the number of Students:");
n = sc.nextInt();
CIE.Student st[] = new CIE.Student [n];
CIE.Student
CIE.Internals in[] = new CIE.Internals [n];
SEE.Externals e[] = new SEE.Externals [n];
for (int i=0; i<n; i++)
{
    st[i] = new CIE.Student();
    in[i] = new CIE.Internals();
    e[i] = new SEE.Externals();
    st[i].display();
    in[i].display();
    e[i].display();
    System.out.println ("Total marks of student"
    +s[i].name + " in 5 subjects are: ");
    for (int j=0; j<5; j++)
    {
        System.out.println (in[i].ciem[j] + (e[i].seem[j])/2);
    }
}
}
}
```