

* Package CIE ;

```
import java.util.Scanner ;
```

```
public class student
```

```
{
```

```
    public String name;
```

```
    public String usn;
```

```
    public int sem;
```

```
    public void display()
```

```
{
```

```
    Scanner s = new Scanner (System.in);
```

```
    System.out.println ("Name : ");
```

```
    name = s.next();
```

```
    System.out.println ("Usn : ");
```

```
    usn = s.next();
```

```
    System.out.println ("Semester : ");
```

```
    sem = s.nextInt();
```

```
}
```

```
}
```

```
Package SEE ;
```

```
import java.util.*;
```

```
import CIE.*;
```

```
public class External CIE.Student
```

```
{
```

```
    public double seem[];
```

```
    public void display ()
```

```
{
```

```
    seem = new double [5];
```

```

Scanner s = new Scanner (System.in);
System.out.println ("SEE Marks for 5 subjects (out of
100) : ");
for (int i = 0; i < 5; i++)
    seen [i] = s.next Double ();
}
}
import CIE.*;
import SEE.*;
import java.util.Scanner
Public class Main
{
Public static void main (String args[])
{
int n;
Scanner s = new Scanner (System.in)
System.out.println ("Enter the number of students : ");
n = s.nextInt ();
CIE.Student st[] = new CIE.Student [n];
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 " + st[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));
}
}
}
}
}

```

Package CIE;

import java.util.Scanner;

Public class Internals extends student

```

{
    Public double ciem[];
    Public void display()
    {
        ciem = new double[5];
        Scanner t = new Scanner (System.in);
        System.out.println ("CIE Marks for 5 subjects (out of 50):");
        for (int i = 0; i < 5; i++)
            ciem[i] = t.nextDouble();
    }
}

```