

PACKAGES

◦ Student java

```
package CIE;  
import java.util.Scanner;  
public class Student  
{  
    public String name;  
    public String usn;  
    public int sem;  
    public void display()  
    {  
        Scanner ss = new Scanner(System.in);  
        SOP("Name:");  
        Name = ss.next();  
        SOP("USN:");  
        Usn = ss.nextInt();  
        SOP("Sem:");  
        sem = ss.nextInt();  
    }  
}
```

◦ Internals java

```
package CIE;  
import java.util.Scanner;  
  
public class Internals extends Student  
{  
    public double am ciem[];  
    public void display()  
    {  
    }
```

```

        ciem = new double[5];
        Scanner ss = new Scanner(System.in);
        SOP(" CIE marks: ");
        for (int i = 0; i < 5; i++)
            ciem[i] = ss.nextDouble();
    }
}

```

• External - java.

```

package SEE;
import java.util.Scanner;
import CIE.*;
public class Ext extends CIE.Studend {
    public double selem[5];
    public void display() {
        selem = new double[5];
        Scanner ss = new Scanner(System.in);
        SOP(" SEE marks: ");
        for (int i = 0; i < 5; i++)
            selem[i] = ss.nextDouble();
    }
}

```


• Main1.java

```
import CIE.*;
import SEE.*;
import java.util.Scanner;
public class Main1
{
    public static void main (String args[])
    {
        int n;
        Scanner ss = new Scanner(System.in);
        SOP("Enter no of students");
        n = ss.nextInt();
        CIE.Student st[] = new CIE.Student[n];
        CIE.Internals it[] = new CIE.Internals[n];
        SEE.Externals et[] = new SEE.Externals[n];
        for (int i = 0; i < n; i++)
        {
            st[i] = new CIE.Student();
            it[i] = new CIE.Internals();
            et[i] = new SEE.Externals();
            st[i].display();
            it[i].display();
            et[i].display();
            SOP("Tot marks of student in 5 subj:");
            for (int j = 0; j < 5; j++)
            {
                SOP("it[i].ciem[j] + (et[i].seem[j]/2)");
            }
        }
    }
}
```