

Packages (1BM19CS158)

Main class:- Personal

```
package CIE;  
import java.util.*;  
public class Personal  
{  
    public String name;  
    public int sem;  
    public String usn;  
  
    public void read()  
    {  
        Scanner sc = new Scanner(System.in);  
        S.O.pln("Enter the name");  
        name = sc.next();  
        S.O.pln("Enter the semester");  
        sem = sc.nextInt();  
        S.O.pln("Enter the USN");  
        usn = sc.next();  
    }  
  
    public void display()  
    {  
        S.O.pln("Student details:");  
        S.O.pln("Name: " + name + "In USN: " + usn + "In Sem: " + sem);  
    }  
}
```


Internals.java (201 (18M19C8158)

```
package CIE;
import java.util.*;
public class internals extends personal
{
    public double cie[];
    public void accept()
    {
        cie = new double [5];
        Scanner sc = new Scanner (System.in);
        for (int i=0; i<5; i++)
        {
            S.o.pln ("CIE mark for course " + (i+1) + " :");
            cie [i] = sc.nextDouble();
        }
    }
}
```

Externals.java

```
package SEE;
import java.util.*;
import CIE.*;
public class externals extends personal
{
    public double see[];
    public void get()
    {
        see = new double [5];
        Scanner sc = new Scanner (System.in);
        for (int i=0; i<5; i++)
        {
            S.o.pln ("SEE mark for course " + (i+1) + " :");
            see [i] = sc.nextDouble();
        }
    }
}
```



```

import CIE.*;
import SEE.*;
import java.util.*;
class Main

```

```

{
    public static void main (String args [])
    {

```

```

        Scanner sx = new Scanner (System.in);
        S.o.pln ( "Enter the no. of students");
        int n = sx.nextInt();

```

```

        CIE. internals in[] = new CIE.internals [ n];

```

```

        SEE. externals en[] = new SEE.externals [n];

```

```

        int i, j;

```

```

        for ( i=0; i<n; i++)
        {

```

```

            S.o.pln ( "Student" + (i+1));

```

```

            in[i] = new CIE.internals ();

```

```

            en[i] = new SEE.externals ();

```

```

            in[i].read();

```

```

            S.o.pln ( "CIE marks :");

```

```

            in[i].accept();

```

```

            S.o.pln ( "SEE marks:");

```

```

            en[i].acceptget();

```

```

            S.o.pln();

```

```

            in[i].display();

```

```

            for (j=0; j<3; j++)
            {

```

```

                S.o.pln ( "Total marks for course" + (j+1) + " : " +

```

```

                    ( in[i].cie [j] + ( en[i].see [j]/2) ));
            }
        }
    }
}

```