

## Lab Program 6 : Packages

```
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);  
        System.out.println ("Enter the name");  
        name = sc.next();
```

```
        System.out.println ("Enter the semester");  
        sem = sc.nextInt();
```

```
        System.out.println ("Enter the USN");  
        USN = sc.next();
```

```
    }
```

```
    public void display ()
```

```
    {
```

```
        System.out.println ("Student details:");
```

```
        System.out.println ("Name: " + name + "\n USN: " + USN +  
        "\n Semester: " + sem);
```

```
    }
```

```
}
```

```
package CIE;
```

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

```
public class intervals extends personal  
{
```

```
    public double cic [];
```

```

public void accept () {
    cie = new double [5];
    Scanner sc = new Scanner (System.in);
    for ( int i=0; i<5; i++)
    {
        System.out.println (" CIE mark for course "+ (i+1) + ":");
        cie [i] = sc.nextDouble();
    }
}
}

```

```

package SEE;
import java.util.*;
import CIE.*;
public class external extends personal
{
    public double see [5];
    public void get ()
    {
        see = new double [5];
        Scanner sc = new Scanner (System.in);
        for ( int i=0; i<5; i++)
        {
            System.out.println (" SEE marks for course "+ (i+1) + ":");
        }
    }
}

```



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

```
class Lab 6
```

```
{
```

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

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

```
        System.out.println ("Enter the number of students");
```

```
        int n = sc.nextInt();
```

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

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

```
        int i, j;
```

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

```
        {
```

```
            System.out.println ("Student " + (i+1));
```

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

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

```
            in[i].read ();
```

```
            System.out.println ("CIE Marks:");
```

```
            in[i].accept ();
```

```
            System.out.println ("SEE Marks:");
```

```
            en[i].get ();
```

```
            System.out.println ();
```

```
            in[i].display ();
```

```
            for (j = 0; j < 5; j++)
```

```
                System.out.println ("Total marks for course " + (j+1) +  
                                     " : " + (in[i].cie[j] + (en[i].see[j]/2)));
```

```
            }
```

```
        }
```

```
    }
```