

LAB PROGRAM - 6

WEEK - 9

```
package CIE ;  
import java.util. Scanner ;
```

```
public class Student  
{  
    public String name ;  
    public String usn ;  
    public int sem ;  
}
```

```
package CIE ;  
import java.util. Scanner ;
```

```
public class Internals extends Student  
{  
    public int cie_marks[] = new int [5];  
    public void getdata()  
    {  
        Scanner sc = new Scanner (System.in);
```

```

System.out.println("Name of Student:");
name = sc.nextLine();
System.out.print("USN:");
usn = sc.nextLine();
System.out.print("Semester:");
sem = sc.nextInt();
System.out.println("Enter CIE marks");
for(int i=0; i<5; i++)
{

```

```

    System.out.print("Subject "+(i+1)+" : ");
    cie_marks[i] = sc.nextInt();
}

```

```

}

public void printdata()
{

```

```

    System.out.println("Name: " + name);
    System.out.println("USN: " + usn);
    System.out.println("Sem: " + sem);
    System.out.println("CIE marks :- ");
    for(int i=0; i<5; i++)
    {

```

```

        System.out.print("Subject "+(i+1)+" : " +
        cie_marks[i]);
    }
}

```

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

```
public class External extends Student  
{
```

```
    public int seemarks[] = new int[5];  
    public void getData()  
    {
```

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

```
        System.out.println("SEE marks");
```

```
        for(i=0; i<5; i++)  
        {
```

```
            System.out.print("Subject "+(i+1)+" : ");
```

```
            seemarks[i] = sc.nextInt();
```

```
        }
```

```
    }
```

```
    public void printData()  
    {
```

```
        System.out.println("SEE marks");
```

```
        for(int i=0; i<5; i++)  
        {
```

```
            System.out.print("Sub "+(i+1)+" : "
```

```
seemarks  
[i]).
```

```
        }
```



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

```
class Program 6  
{
```

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

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

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

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

```
        Internals in[] = new Internals [n];
```

```
        Externals ext[] = new Externals [n];
```

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

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

```
            in [i] = new Internals();
```

```
            ext [i] = new Externals();
```

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

```
            ext [i].getData();
```

```
        }
```

```
System.out.println("Student details ");  
for(int i=0; i<n; i++)  
{
```

```
    System.out.println("Student "+(i+1));  
    in[i].printdata();  
    out[i].printdata();
```

```
    System.out.println("Total marks ");  
    for(int j=0; j<5; j++)  
    {
```

```
        System.out.println("Subject "+(j+1) +
```

```
            ":" + (in[i].cic_marks[j] +  
                out[i].see_marks[j]));
```

```
    }
```

```
}
```

```
}
```

```
}
```