

## Week - 9 - Lab program - 6.

### File - Student.java

```
package CIE;  
public class Student  
{  
    public String name, usn,  
    public int sem;
```

```
}
```

### File - Internals.java

```
package CIE;  
import java.util.Scanner;  
public class Internals extends Student  
{
```

```
    Scanner sc = new Scanner(System.in);  
    public int intmarks[] = new int[5];  
    public void accept (int s, String usn, String  
        Name, int sem)
```

```
{
```

```
    int i;
```

```
    usn = usn;
```

```
    name = Name;
```

```
    sem = sem;
```

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

```
{  
    System.out.println("Enter "+s+" student's  
internals marks in "+(i+1)+" subject out of  
50");
```

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

```
}
```

```
}
```

```
}
```

Page No. \_\_\_\_\_  
Date \_\_\_\_\_

file- External.java

package SEE;  
import CIE.\*;

~~import SEE~~

import java.util.Scanner;

public class External extends CIE.Student

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

public int extmarks[] = new int[5];

public void accept (int i, String USN, String  
Name, int Sem)

{

int i;

USN = USN;

name = Name;

sem = Sem;

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

{ System.out.println("Enter " + i + " student's  
external marks in " + i + " subject out of  
100");

extmarks[i] = sc.nextInt();

}

}

}

file - marks.java -

import CIE.\*;

import SEE.\*;

import java.util.Scanner;

class marks

{ public static void main (String args[])

{ int n, i, j, Sem;

String USN, Name;

Scanner sc = new Scanner(System.in);

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

n = sc.nextInt();

```

CEE.Internals cie[] = new CEE.Internals[n];
SEE.External see[] = new SEE.External[n];
for (i=0; i<n; i++)
{

```

```

    System.out.println("Enter "+(i+1)+" student's  

    USN, name and sem");

```

```

    USN = sc.next();

```

```

    Name = sc.next();

```

```

    Sem = sc.next();

```

```

    cie[i] = new CEE.Internals();

```

```

    cie[i].accept(i+1, USN, Name, Sem);

```

```

    see[i] = new SEE.External();

```

```

    see[i].accept(i+1, USN, Name, Sem);

```

```

}

```

```

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

```

```

{

```

```

    System.out.println("---Details of student  

    "+(i+1)+" ---");

```

```

    System.out.println("USN: " + cie[i].usn);

```

```

    System.out.println("Name: " + cie[i].name);

```

```

    System.out.println("Semester: " + cie[i].sem);

```

```

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

```

```

        System.out.println("Final marks in "+(j+1)+"  

        subject : " + (cie[i].intmarks[j] +  

        see[i].extmarks[j]/2));
    }

```

```

}

```

```

    System.out.println();

```

```

}

```

```

3 3

```



Date \_\_\_\_\_

## Procedure:

- > javac Student.java  
Student.class file is dragged into folder CIE
- > javac Internals.java  
Internals.class file is dragged into folder CIE
- > javac External.java  
External.class file is dragged into folder SEE
- > javac marks.java
- > java marks