

## Lab - Program - 6:

```
Package CIE;  
import java.util.Scanner;  
  
Public class Student  
{  
    int usn;  
    String name;  
    int sem;  
  
    Scanner ss = new Scanner(System.in);  
    Public void acceptDetails()  
    {  
        System.out.println("Enter the Name: \n");  
        name = ss.nextLine();  
        System.out.println("Enter the usn: \n");  
        usn = ss.nextInt();  
        System.out.println("Enter the SEM: \n");  
        sem = ss.nextInt();  
    }  
  
    Public void displayDetails()  
    {  
        System.out.println("Name: " + name);  
        System.out.println("usn: " + usn);  
        System.out.println("SEM: " + sem);  
    }  
}
```



```

Package CIE;
import java.util.Scanner;
Public class intervals extends CIE.Student
{
    Public int cie_marks[] = new int[5];
    Scanner ss = new Scanner(System.in);
    Public void acceptDetails()
    {
        for (int i = 0; i < 5; i++)
        {
            System.out.println("Enter the CIE Marks  
(out of 50) of subject" + (i + 1));
            cie_marks[i] = ss.nextInt();
        }
    }
}

```

```

Package SEE;
Package
import CIE.*;
import java.util.Scanner;
Public class external extends CIE.Student
{
    Public int sem_marks[] = new int[5];
    Scanner ss = new Scanner(System.in);
}

```



```
Public void acceptDetails()
```

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

```
{  
system.out.println("Enter the SEE Marks (out of 100)  
of subject" + (i+1));
```

```
{  
sem_marks[i] = ss.nextInt();  
}
```

```
}
```

```
import CIE.*;
```

```
import SEE.*;
```

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

```
class marks
```

```
{
```

```
Public static void main(String sss[])
```

```
{
```

```
int i, j, n;
```

```
int tot[] = new int[5];
```

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

```
System.out.println("Enter the total number of  
Students: ");
```

```
n = ss.nextInt();
```

```
CIE.student st[] = new CIE.student[n];
```



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

```
SEE.internals  
external s[] = new SEE.external[n];
```

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

```
{
```

```
system.out.println("ENTER THE STUDENT" + (i+1) +  
"DETAILS");
```

```
st[i] = new CIE.student();
```

```
st[i].acceptDetails();
```

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

```
c[i].acceptDetails();
```

```
s[i] = new SEE.external();
```

```
s[i].acceptDetails();
```

```
}
```

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

```
{
```

```
system.out.println("DETAILS OF THE STUDENT" +  
(i+1));
```

```
st[i].displayDetails();
```

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

```
{
```

```
tot[j] = (c[i].cie_marks[j] + (s[i].sem_marks  
[j]/2));
```

```
system.out.println("Total marks in subject" +  
(j+1) + " is" + tot[j]);
```

```
}
```

```
}
```

```
}
```