

OUTPUT LAB PROGRAM 6

STUDENT.JAVA:

```
package CIE;  
  
import java.util.Scanner;  
  
public class Student  
{  
  
public String usn,name;  
  
public int sem;  
  
public void accept()  
{  
  
Scanner sc=new Scanner(System.in);  
  
System.out.println("Please enter your USN:");  
  
usn=sc.nextLine();  
  
System.out.println("Please enter your name:");  
  
name=sc.nextLine();  
  
System.out.println("Please enter your semester:");  
  
sem=sc.nextInt();  
  
}  
  
}
```

INTERNALS.JAVA:

package CIE;

import java.util.Scanner;

public class Internals extends CIE.Student

{

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

Scanner sc=new Scanner(System.in);

public void input()

{

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

{

System.out.println("Please enter your cie marks in course:");

int_marks[i]=sc.nextInt();

}

}

}

EXTERNAL.JAVA:

package SEE;

import CIE.*;

import java.util.Scanner;

public class External extends Student

{

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

public void input1()

{

Scanner sc=new Scanner(System.in);

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

{

**System.out.println("Please enter your SEE marks in
course"+(i+1)+":");**

see_marks[i]=sc.nextInt();

}

}

}

RESULT.JAVA:

```
import CIE.*;
```

```
import SEE.*;
```

```
import java.util.Scanner;
```

```
public class Result
```

```
{
```

```
public static void main(String Args[])
```

```
{
```

```
int n;
```

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

```
System.out.println("Please enter the number of Students whose final  
marks are to be calculated:");
```

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

```
CIE.Student s1[]=new CIE.Student[n];
```

```
CIE.Internals c1[]=new CIE.Internals[n];
```

```
SEE.External e1[]=new SEE.External[n];
```

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

```
{
```

```
System.out.println("Please enter the details of Student"+(i+1)+":");
```

```
s1[i]=new CIE.Student();  
s1[i].accept();  
c1[i]=new CIE.Internals();  
c1[i].input();  
e1[i]=new SEE.External();  
e1[i].input1();  
System.out.println("Final Marks for student:"+i+1));  
for(int j=0;j<5;j++)  
{  
  
System.out.println("marks in  
course:"+j+1)+":"+c1[i].int_marks[j]+((e1[i].see_marks[j])/2));  
  
}  
  
}  
  
}}
```

OUTPUT:

```
C:\Users\admin\Documents\Lab_program_6>javac CIE\Internals.java
C:\Users\admin\Documents\Lab_program_6>javac CIE\Student.java
C:\Users\admin\Documents\Lab_program_6>javac SEE\External.java
C:\Users\admin\Documents\Lab_program_6>javac Result.java

C:\Users\admin\Documents\Lab_program_6>java Result
Please enter the number of Students whose final marks are to be calcul
1
Please enter the details of Student1:
Please enter your USN:
1BM19CS074
Please enter your name:
Sharat
Please enter your semester:
3
Please enter your cie marks in course:
45
Please enter your cie marks in course:
44
Please enter your cie marks in course:
43
Please enter your cie marks in course:
46
Please enter your cie marks in course:
47
Please enter your SEE marks in course1:
98
Please enter your SEE marks in course2:
90
Please enter your SEE marks in course3:
86
Please enter your SEE marks in course4:
84
Please enter your SEE marks in course5:
82
Final Marks for student:1
marks in course:1:94
marks in course:2:89
marks in course:3:86
Final Marks for student:1
marks in course:1:94
marks in course:2:89
marks in course:3:86
marks in course:4:88
marks in course:5:88
```