

OOJ LAB PROGRAM 6  
EXECUTION:-

```
package CIE;  
  
import java.util.Scanner;  
  
public class Internals extends Student  
{  
    public int ciemarks[]=new int[5];  
    public void getmarks()  
    {  
        getData();  
        System.out.println("Enter the CIE marks of the Student: ");  
        for(int i=0;i<5;i++)  
        {  
            System.out.printf("Subject "+(i+1)+" :");  
            ciemarks[i]=ss.nextInt();  
        }  
    }  
    public void display()  
    {  
        System.out.println("Name: "+this.name);  
        System.out.println("USN: "+this.usn);  
        System.out.println("Semester: "+this.sem);  
    }  
}
```

```
package CIE;  
  
import java.util.Scanner;  
  
public class Student  
{  
    public String usn,name;  
    public int sem;  
  
    public Scanner ss=new Scanner(System.in);  
    public void getData()  
    {  
        System.out.println("Name: ");  
        name=ss.next();  
        System.out.println("USN: ");  
        usn=ss.next();  
        System.out.println("Semester: ");  
        sem=ss.nextInt();  
    }  
}
```

```

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

class Main
{
    Run | Debug
    public static void main(String args[])
    {
        Scanner ss=new Scanner(System.in);
        int n;
        int finalmarks[][]=new int[5][5];
        System.out.println("Enter the number of Students: ");
        n=ss.nextInt();
        Internals studcie[]=new Internals[n];
        Externals studsee[]=new Externals[n];
        for(int i=0;i<n;i++)
        {
            System.out.println("\n*****\n");
            studcie[i]=new Internals();
            studsee[i]=new Externals();
            studcie[i].getmarks();
            studsee[i].getmarks();
            for(int j=0;j<5;j++)
            {
                finalmarks[i][j]=studcie[i].ciemarks[j]+(studsee[i].seemarks[j]/2);
            }
        }
        System.out.println("\n*****\n");
        System.out.println("The Students and their finals marks are: \n");
        for(int i=0;i<n;i++)
        {
            studcie[i].display();
            for(int j=0;j<5;j++)
            {
                System.out.println("Subject "+(j+1)+" :"+finalmarks[i][j]);
            }
            System.out.println("\n*****\n");
        }
    }
}

```

OUTPUT:-

Enter the number of Students:

2

\*\*\*\*\*

Name:

Mithil

USN:

1bm19cs069

Semester:

3

Enter the CIE marks of the Student:

Subject 1 :45

Subject 2 :40

Subject 3 :35

Subject 4 :47

Subject 5 :50

Enter the SEE marks of the Student:

Subject 1 :67

Subject 2 :80

Subject 3 :90

Subject 4 :85

Subject 5 :64

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Name:

Khushil

USN:

1bm19cs699

Semester:

3

Enter the CIE marks of the Student:

Subject 1 :34

Subject 2 :45

Subject 3 :23

Subject 4 :50

Subject 5 :42

Enter the SEE marks of the Student:

Subject 1 :67

Subject 2 :89

Subject 3 :90

Subject 4 :78

Subject 5 :65

\*\*\*\*\*

The Students and their finals marks are:

Name: Mithil

USN: 1bm19cs069

Semester: 3

Subject 1 :78

Subject 2 :80

Subject 3 :80

Subject 4 :89

Subject 5 :82

\*\*\*\*\*

Name: Khushil

USN: 1bm19cs699

Semester: 3

Subject 1 :67

Subject 2 :89

Subject 3 :68

Subject 4 :89

Subject 5 :74

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