

WEEK 9 LAB PROGRAM 6

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

```

```

package SEE;
import java.util.Scanner;
public class External extends CIE.Student
{
    public int seenmarks[] = new int[5];
    Scanner ss = new Scanner(System.in);
}

```


//_

```
public void getmarks ()
```

```
{
    System.out.println("Enter SEE marks");
    for (i=0; i<5; i++)
    {
        seemarks[i] = ss.nextInt();
    }
}
```

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

```
import CIE.*;
```

```
import SEE.*;
```

```
class main
```

```
{
```

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

```
    {
```

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

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

```
        System.out.println("Enter no. of students");
```

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

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

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



```

for(int i=0; i<n; i++)
{
    studie[i] = new Internals();
    studsee[i] = new Externals();
    studie[i].getmarks();
    studsee[i].getmarks();
    for(int j=0; j<5; j++)
    {
        finalmarks[i][j] = studie[i].getmarks[j] +
            studsee[i].getmarks[j] * 2;
    }
}
for(int i=0; i<n; i++)
{
    studie[i].display();
    for(int j=0; j<5; j++)
    {
        System.out.println("finalmarks
            [i][j]");
    }
}
}
}
}

```

//_

WEEK 10 LAB PROGRAM 7.

```
import java.util.Scanner;  
class Demo {T, S}
```

```
{  
    T m1;  
    S m2;
```

```
    Demo (T m1, S m2)
```

```
{  
    this.m1 = m1;  
    this.m2 = m2;
```

```
}
```

```
    public void display ()
```

```
{  
    System.out.println ("The value of" +  
        this.m1 + "is" + this.m2);
```

```
}
```

```
}
```

```
class DemoMain
```

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



```
Java demo <String, String> std1 = new  
demo <String, String> ("Name", "Iskika");  
std1.display();  
}  
}
```

The screenshot shows an IDE with a dark theme. On the left is the Explorer sidebar with a tree view of files: `PROGRAMS JAVA`, `CIE`, `Internals.java`, `main.java`, `Student.java`, `SEE`, `Father.java`, `main.java` (highlighted with a '1' next to it), `studentMain.java`, and `TotalMarks.java` (with a '2' next to it). Below this are sections for `OUTLINE`, `NPM SCRIPTS`, `JAVA PROJECTS`, and `MAVEN`. The main editor area has two tabs: `Father.java` and `main.java`. The `main.java` tab is active, showing the following code:

```
main.java > FamousMain > main(String[])
1  import java.util.Scanner;
2
3  class Famous<T,S>
4  {
5      T mem1;
6      S mem2;
7
8      Famous(T ob1,S ob2)
9      {
10         this.mem1=ob1;
11         this.mem2=ob2;
12     }
13     public void displayitems()
14     {
15         System.out.println("The Value of "+this.mem1+" is: "+this.mem2);
16     }
17 }
18
19 class FamousMain
20 {
21     Run | Debug
22     public static void main(String args[])
23     {
24         Famous <String, String> std1=new Famous<String, String>("Name","Elon Musk");
25         std1.displayitems();
26     }
27 }
```

At the bottom of the IDE, there is a status bar with the text "Screen Reader Optimized", "Ln 24, Col 29", "Spaces: 4", "UTF-8", "CRLF", "Java", "JavaSE-11", and icons for search, run, and other IDE functions.

