

Lab Program 6 :

//inside Student.java

package CIE;

import java.util.Scanner;

public class Student {

public String usn;

public String name;

public int sem;

public void getData() {

System.out.println("Enter the USN");

Scanner input = new Scanner(System.in);

usn = input.nextLine();

System.out.println("Enter the Name");

name = input.nextLine();

System.out.println("Enter the Semester");

sem = input.nextInt();

}

public void putData() {

System.out.println("The USN is: " + usn);

System.out.println("The Name is: " + name);

System.out.println("The Semester is: " + sem);

}

}

//inside Internals.java

package CIE;

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

```
public class Internals extends Student {
```

```
    public int a[] = new int[5];
```

```
    { System.out.println("Enter the internal  
        marks"); }
```

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

```
    public void getDataInt() {
```

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

```
            System.out.println("Enter the marks in  
            subject "+(i+1));
```

```
            a[i] = in.nextInt();
```

```
        }
```

```
    }
```

```
}
```

```
//inside Externals.java
```

```
package SKE;
```

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

```
import CIE.*;
```

```
public class Externals extends CIE.Student {
```

```
    public int c[] = new int[5];
```

```
    { System.out.println("Enter the external  
        marks"); }
```

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


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```

public void getDataExt() {
    for (int i = 0; i < 5; i++) {
        System.out.println("Enter the marks  
in subject " + (i + 1));
        e[i] = in.nextInt();
    }
}
}

```

// inside driver file

```

import CIE.*;
import SEE.*;

```

```

class FinalMarks {

```

```

    public static void main (String args[]) {

```

```

        CIE.Student s = new CIE.Student();
        System.out.println("Enter the details:");
        s.getData();
        s.putData();

```

```

        CIE.Internal i = new CIE.Internal();
        i.getDataInt();

```

```

        SEE.External e = new SEE.External();
        e.getDataExt();

```

```

        System.out.println("Final Marks:");
        for (int j = 0; j < 5; j++) {
            System.out.println("Subject " + (j + 1) +
                "=" + (i.a[j] + e.e[j]));
        }
    }
}

```