WEEK-6 23-1-24

LAB-7

Student.java

```
package cie;
public class Students {
    public String name, usn;
    public int sem;
}
```

Internals.java

```
package cie;
import java.util.Scanner;
public class Internals extend Student {
    public int marks[] = new int [5];
    public void InputMarks()
    {
        Scanner sc = new Scanner (System.in);
        for (int i=0; i<5; i++) {
            System.out.println ("Enter Subject " + (i+1) + " marks:");
            marks[i] = sc.nextInt();
        }
    }

public void displayMarks()
{
    for (int i=0; i<5; i++) {
        System.out.println ("Subject " + (i+1) + " marks : " + marks[i]);
    }
}
}
```

Externals.java

```
package see;
import ie.Student;
import java.util.Scanner;

public class Externals extends Students {
    public int marks[] = new int [5];
    public void inputMarks() {
        Scanner sc = new Scanner (System.in);
        for (int i = 0; i<5; i++) {
            System.out.println("Enter Subject "+(i+1)+" marks:");
            marks[i] = sc.nextInt();
        }
    }

    public void displayMarks() {
        for (int i=0; i<5; i++) {
            System.out.println("Subject "+(i+1)+" marks:"+marks[i]);
        }
    }
}
```

Main.java

```
import ie.Student;
import ie.Internals;
import see.Externals;
import java.util.Scanner;
class Main {
    public static void main (String args[]) {
        int no = 2;
        Externals finalmarks[] = new Externals [no];
        Internals internarks[] = new Internals [no];
        for (int i=0; i<no; i++)
```

```
        finalmarks[i] = new Externals();
        intmarks[i] = new Internals();
        finalmarks[i] . inputMarks();
        intmarks[i] . inputMarks();
    }

    for (int i = 0; i < no ; i++) {
        System.out.println("CIE : ");
        intmarks[i] . displayMarks();
        System.out.println("SEE");
        finalmarks[i]. displayMarks();
    }
}
}
```

Output -

```
Enter Subject 1 marks : 30
Enter Subject 2 marks : 50
Enter Subject 3 marks : 40
Enter Subject 4 marks : 20
Enter Subject 5 marks : 10

CIE :
Enter Subject 1 marks : 30
Enter Subject 2 marks : 70
Enter Subject 3 marks : 60
Enter Subject 4 marks : 80
Enter Subject 5 marks : 90
Enter Subject 1 marks : 70
Enter Subject 2 marks : 40
Enter Subject 3 marks : 20
Enter Subject 4 marks : 80
Enter Subject 5 marks : 10
```

F8

CIE :

Subject 1 marks : 30
Subject 2 marks : 50
Subject 3 marks : 40
Subject 4 marks : 20
Subject 5 marks : 10

SEE-

Subject 1 marks : 30
Subject 2 marks : 70
Subject 3 marks : 60
Subject 4 marks : 80
Subject 5 marks : 90

CIE-

Subject 1 marks : 70
Subject 2 marks : 40
Subject 3 marks : 20
Subject 4 marks : 20
Subject 5 marks : 10

SEE-

Subject 1 marks : 80
Subject 2 marks : 60
Subject 3 marks : 30
Subject 4 marks : 20
Subject 5 marks : 30

23.01.24