

WEEK-6

23-1-24

LAB-7

Student.java

package ue;

```
public class Student {  
    public String name, usn;  
    public int sem;  
}
```

Internals.java

package ue;

import java.util.Scanner;

```
public class Internals extends 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 java.util.Scanner;

public class Externals extends 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 display Marks() {

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

System.out.println ("Subject " + (i+1) + " marks are " + marks[i]);

}

}

## Main.java

import java.util.Scanner;

import java.util.Scanner;

import java.util.Scanner;

import java.util.Scanner;

class Main {

public static void main (String args[]) {

int no = 2;

Externals finalmarks[] = new Externals [no];

Internals intmarks[] = new Internals [no];

for (int i = 0; i < no; i++)

(1) marks[] = new int [5];  
(2) marks[] = new int [5];  
(3) marks[] = new int [5];  
(4) marks[] = new int [5];

{ (+1; on 2; 0 - 1 to) }

(1) marks[] = new int [5];

(2) marks[] = new int [5];

(3) marks[] = new int [5];

(4) marks[] = new int [5];

(5) marks[] = new int [5];

(6) marks[] = new int [5];

(7) marks[] = new int [5];

(8) marks[] = new int [5];

(9) marks[] = new int [5];

(10) marks[] = new int [5];

(11) marks[] = new int [5];

(12) marks[] = new int [5];

(13) marks[] = new int [5];

(14) marks[] = new int [5];

(15) marks[] = new int [5];

(16) marks[] = new int [5];

(17) marks[] = new int [5];

(18) marks[] = new int [5];

(19) marks[] = new int [5];

(20) marks[] = new int [5];

(21) marks[] = new int [5];

(22) marks[] = new int [5];

(23) marks[] = new int [5];

(24) marks[] = new int [5];

(25) marks[] = new int [5];

(26) marks[] = new int [5];



```

finalmarks[i] = new External();
intmarks[i] = new Internal();
finalmarks[i].inputMarks();
intmarks[i].inputMarks();

```

```

}

```

```

for (int i = 0; i < no; i++) {

```

```

    System.out.println("IE: ");

```

```

    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

~~Subject Marks~~

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



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

*[Handwritten signature]*  
23.01.21

*[Faint, mostly illegible handwritten notes in the right margin, possibly bleed-through from the reverse side of the page.]*