

LAB 7

student.java

```
package lie;
public class Student {
    public String name;
    public int sem;
```

}

internal.java

```
package lie;
```

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

```
public class Internal 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 : "  
                           + marks [i]);
```

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External.java

```
package see;
import cie.student;
import java.util.Scanner;
public class External 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 + " marks");
            marks[i] = sc.nextInt();
        }
    }
    public void displayMarks () {
        for (int i = 0; i < 5; i++) {
            System.out.println ("Subject " + marks[i]);
        }
    }
}
```

Main.java

```
import cie.student;
import cie.External;
import see.External;
import java.util.Scanner;
class Main {
    public static void main (String args[]) {
        int no = 2;
        External finalmarks [] = new External [no];
    }
}
```

```

int maxmarks [] = new int[5];
for (int i=0; i<5; i++) {
    finalmarks [i] = new External();
    intmarks [i] = inputMarks();
    finalmarks [i].inputMarks();
}

```

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```

for (int i=0; i<5; i++) {
    System.out.println ("CIE:");
    intmarks [i].displayMarks();
    System.out.println ("SEE");
    finalmarks [i].displayMarks();
}

```

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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

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~~