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Lab Program - 07

→ Student.java:

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

→ Internals.java:

```
package cie;
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 cie.Student;
import java.util.Scanner;
```

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```
Public class Externals extends Students{
    public int marks[] = new int[6];
    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 cie.Student;
import cie.Internals;
import see.Externals;
import java.util.Scanner;
class Main {
    public static void main(String args[]){
        int no = 2; Externals finalmarks[] = new Extern
        Internals intmarks[] = 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: ");
    int marks[i].displayMarks();
    System.out.println("SEE: ");
    find marks[i].displayMarks();
}
}
}
```

Output:

```
Enter Subject 1 Marks: 30
Enter Subject 2 Marks: 80
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: 20
Enter Subject 2 Marks: 40
Enter Subject 3 Marks: 30
Enter Subject 4 Marks: 10
Enter Subject 5 Marks: 0
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
```

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CIE: CIE:

Subject 1 Marks: 30
Subject 2 Marks: 50
Subject 3 Marks: 60
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: 20
Subject 2 Marks: 40
Subject 3 Marks: 30
Subject 4 Marks: 10
Subject 5 Marks: 0

SEE:

Subject 1 Marks: 70
Subject 2 Marks: 40
Subject 3 Marks: 20
Subject 4 Marks: 80
Subject 5 Marks: 10