## lab 6

```
package CIE;
class Student {
    String usn;
    String name;
    int sem;
    Student(String usn, String name, int sem) {
        this.usn = usn;
        this.name = name;
        this.sem = sem;
    }
}
public class Internals {
    int[] internalMarks;
    Internals(int[] marks) {
        this.internalMarks = marks;
    }
}
package SEE;
import CIE.Student;
public class External extends Student {
    int[] externalMarks;
    External(String usn, String name, int sem, int[] marks) {
        super(usn, name, sem);
        this.externalMarks = marks;
    }
}
import CIE.*;
import SEE.*;
import java.util.Scanner;
class FinalMarks {
```

lab 6

```
public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the number of students: ");
        int n = sc.nextInt();
        Student[] students = new Student[n];
        Internals[] internals = new Internals[n];
        External[] externals = new External[n];
        for (int i = 0; i < n; i++) {
            System.out.print("Enter USN: ");
            String usn = sc.next();
            System.out.print("Enter Name: ");
            String name = sc.next();
            System.out.print("Enter Semester: ");
            int sem = sc.nextInt();
            int[] internalMarks = new int[5];
            System.out.print("Enter 5 Internal Marks: ");
            for (int j = 0; j < 5; j++) {
                internalMarks[j] = sc.nextInt();
            }
            int[] externalMarks = new int[5];
            System.out.print("Enter 5 External Marks: ");
            for (int j = 0; j < 5; j++) {
                externalMarks[j] = sc.nextInt();
            }
            students[i] = new Student(usn, name, sem);
            internals[i] = new Internals(internalMarks);
            externals[i] = new External(usn, name, sem, externalMarks);
        }
        for (int i = 0; i < n; i++) {
            System.out.println("Final Marks for " + students[i].name + ":");
            for (int j = 0; j < 5; j++) {
                int finalMarks = internals[i].internalMarks[j] + externals[i].e>
                System.out.println("Course " + (j + 1) + ": " + finalMarks);
            }
        }
   }
}
```

lab 6

## **▼** Output

```
Enter the number of students: 2
Enter USN: 1BM21CS001
Enter Name: Alice
Enter Semester: 5
Enter 5 Internal Marks: 18 19 20 17 16
Enter 5 External Marks: 70 80 60 75 65
Enter USN: 1BM21CS002
Enter Name: Bob
Enter Semester: 5
Enter 5 Internal Marks: 15 18 17 16 14
Enter 5 External Marks: 68 74 70 72 69
Final Marks for Alice:
Course 1: 53
Course 2: 59
Course 3: 50
Course 4: 54
Course 5: 48
Final Marks for Bob:
Course 1: 49
Course 2: 55
Course 3: 52
Course 4: 52
Course 5: 48
```

lab 6 3

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	public void getd () q
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	System out print in ("Enter use none lacen).
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	Output :
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	Enter the number of students
	of students
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	Enter CIE marks in subject 1
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	Enter CIE morks in subject 2
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	Exter SEE number of subjects
	Enter SEE marks in subject 1
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	Enter SEE marks in subject 3
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