

```
Lab program 6
package Cie;

import java.util.Scanner;

public class Student {

    protected String usn = new String();

    protected String name = new String();

    protected int sem;

    public void inputStudentDetails() {

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter USN:");

        usn = scanner.nextLine();

        System.out.println("Enter name:");

        name = scanner.nextLine();

        System.out.println("Enter semester:");

        sem = scanner.nextInt();

    }

    public void displayStudentDetails() {

        System.out.println("STUDENT DETAILS:");

        System.out.println("Name:" + name);

        System.out.println("USN:" + usn);

        System.out.println("Semester:" + sem);

    }

}

package Cie;

import java.util.Scanner;

public class Internals extends Student {

    protected int marks[] = new int[5];

    public void inputCIEMarks() {
```

```
Scanner scanner = new Scanner(System.in);

System.out.println("\nEnter Internal Marks for 5 subjects:");

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

    System.out.print("Subject " + (i + 1) + ": ");

    marks[i] = scanner.nextInt();

}

}

}
```

```
package See;

import Cie.Internals;

import java.util.Scanner;

public class Externals extends Internals {

    protected int finalMarks[];

    protected int seeMarks[];

    public Externals() {

        finalMarks = new int[5];

        seeMarks = new int[5];

    }

    public void inputSeeMarks() {

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter SEE Marks for the subjects:");

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

            System.out.print("SEE Marks for Subject " + (i + 1) + ": ");

            seeMarks[i] = scanner.nextInt();

        }

    }

    public void calculateFinalMarks() {
```

```
for (int i = 0; i < 5; i++) {  
    finalMarks[i] = marks[i] + (seeMarks[i] / 2);  
}  
}  
  
public void displayFinalMarks() {  
    displayStudentDetails();  
    System.out.println("Final Marks (CIE + SEE/2):");  
    for (int i = 0; i < 5; i++) {  
        System.out.println("Subject " + (i + 1) + ": " + finalMarks[i]);  
    }  
}  
}  
  
import See.Externals;  
import java.util.Scanner;  
  
class Main {  
    public static void main(String args[]) {  
        Scanner scanner = new Scanner(System.in);  
        System.out.print("Enter number of students: ");  
        int n = scanner.nextInt();  
        Externals students[] = new Externals[n];  
        for (int i = 0; i < n; i++) {  
            System.out.println("\nEnter details for Student " + (i + 1));  
            students[i] = new Externals();  
            students[i].inputStudentDetails();  
            students[i].inputCIEMarks();  
            students[i].inputSeeMarks();  
            students[i].calculateFinalMarks();  
        }  
        System.out.println("\nFINAL MARKS OF STUDENTS");  
    }  
}
```

```

for (int i = 0; i < n; i++) {
    students[i].displayFinalMarks();
}
}
}

```

The screenshot shows a terminal window with the following content:

```

28 }
PROBLEMS 15 OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\Saanvi\OneDrive\Desktop\oops_1BF424CS260\Lab_pgm6> javac Main.java Cie\Student.java Cie\Internals.java See\Externals.java
a
PS C:\Users\Saanvi\OneDrive\Desktop\oops_1BF424CS260\Lab_pgm6> java Main
>>
Enter number of students: 2

Enter details for Student 1
Enter USN:
564
Enter name:
Sananya
Enter semester:
3

Enter Internal Marks for 5 subjects:
Subject 1: 45
Subject 2: 48
Subject 3: 47
Subject 4: 49
Subject 5: 50
Enter SEE Marks for the subjects:
SEE Marks for Subject 1: 98
SEE Marks for Subject 2: 99
SEE Marks for Subject 3: 97
SEE Marks for Subject 4: 89
SEE Marks for Subject 5: 92

Enter details for Student 2
Enter USN:
987
Enter name:
Turvi
Enter semester:
5

Enter Internal Marks for 5 subjects:

```

On the right side of the terminal, there is an AI interface with a speech bubble icon and the text "Build with Agent". It includes a note about AI responses being inaccurate and a "Generate Agent Instructions" button. Below the terminal, there is a "SUGGESTED ACTIONS" section with a "Build Workspace" button.

This screenshot is identical to the one above, showing the same Java code execution and AI interface. The terminal content is the same, and the AI panel on the right also displays the "Build with Agent" feature.

FINAL MARKS OF STUDENTS

STUDENT DETAILS:

Name: Sananya
USN:564
Semester:3

Final Marks (CIE + SEE/2):
Subject 1: 94
Subject 2: 97
Subject 3: 95
Subject 4: 93
Subject 5: 96

STUDENT DETAILS:

Name: Turvi
USN:987
Semester:5

Final Marks (CIE + SEE/2):
Subject 1: 94
Subject 2: 88
Subject 3: 94
Subject 4: 97
Subject 5: 93

```
PS C:\Users\Saanvi\OneDrive\Desktop\oops_1BF424CS260\Lab_pgm6>
```

SUGGESTED ACTIONS

Build Workspace Show Config

J Main.java +

Describe what to build next

Agent Auto ↗ ↘ ↛ ↛

Ln 20, Col 47 Spaces:4 UTF-8 CRLF {} Java ⚙️ 🎨