

Philip Pesic

Week 6

February 26 2023

Week 6 Prog 3

What does it do as currently written ?

Fix this program, so that this program prints out only the numbers 1 to 10. Add

comment lines //describing correction made correction...

```
import java.util.Scanner;

    public static void main(String args[])
{
    for( int i = 1; i > 0; i ++){

        System.out.println("i = " + i); //Print Message

    }
}
```

```
package Prog3;

class prog3 {
    public static void main(String args[]) {
        for( int i = 1; i <= 10; i ++){ //Changed > 0 to <= 10 so the loop stops
after 10 reptitions
            System.out.println("i = " + i); //Print Message
        }

        System.out.println("Philip Pesic 2/26/23");

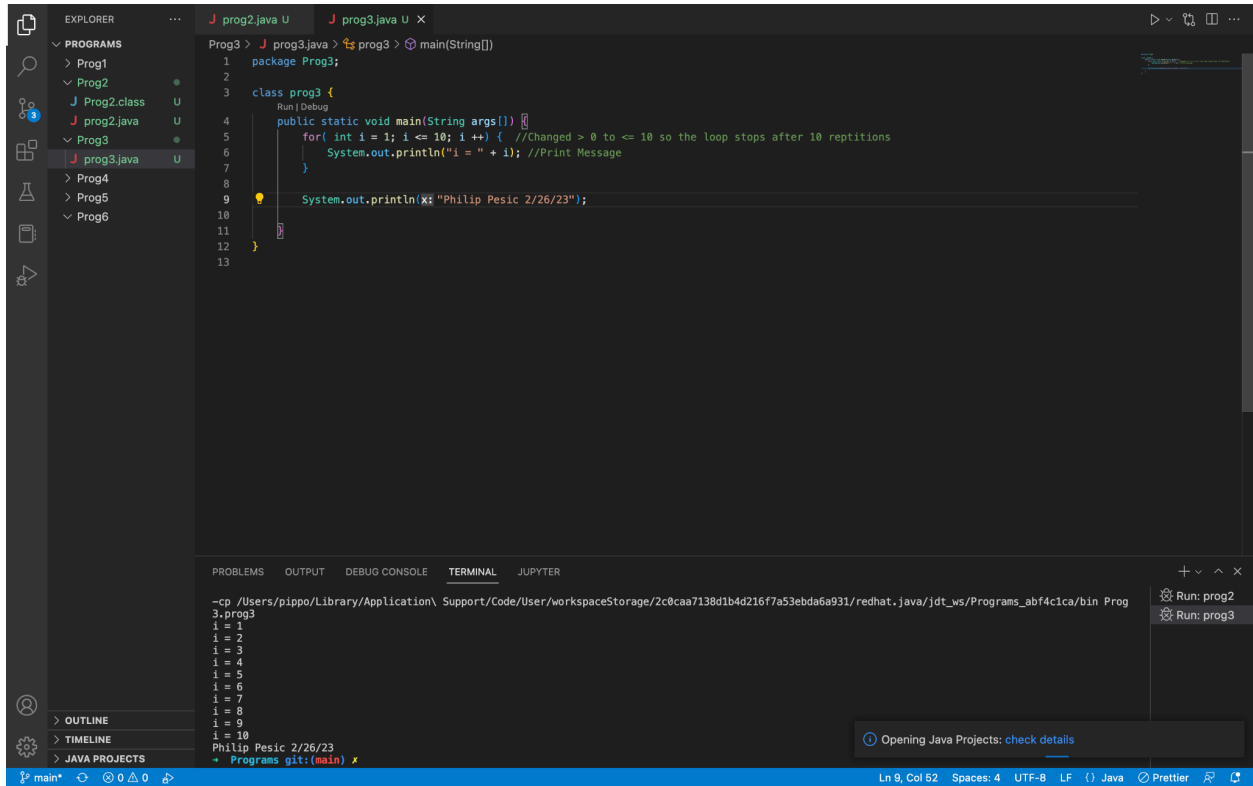
    }
}
```

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The screenshot shows an IDE with a Java file named `prog3.java`. The code defines a `Prog3` class with a `main` method. The `main` method contains a `for` loop that iterates from `i = 1` to `i = 10`, printing the value of `i` on each iteration. After the loop, it prints a message: `System.out.println("Philip Pesic 2/26/23");`. The IDE's output window shows the execution results, which are the numbers 1 through 10, followed by the message "Philip Pesic 2/26/23". The status bar at the bottom indicates the current line is 9, column 52, and the file is encoded in UTF-8.

```
1 package Prog3;
2
3 class Prog3 {
4     public static void main(String args[]) {
5         for( int i = 1; i <= 10; i++) { //Changed > 0 to <= 10 so the loop stops after 10 repetitions
6             System.out.println("i = " + i); //Print Message
7         }
8     }
9     System.out.println("Philip Pesic 2/26/23");
10
11 }
12
13
```

Output:

```
-cp /Users/pipipo/Library/Application\ Support/Code/User/workspaceStorage/2c0caa7138d1b4d216f7a53ebda6a931/redhat.java/jdt_ws/Programs_abf4c1ca/bin Prog
3.Prog3
i = 1
i = 2
i = 3
i = 4
i = 5
i = 6
i = 7
i = 8
i = 9
i = 10
Philip Pesic 2/26/23
+ Programs git:(main) *
```

I learned: how to debug loops