

Philip Pesic

Week 6

February 26 2023

Week 6 Prog 4

Write a program that uses a for loop with empty(; ;) { // that loop 10 times and prints the loop number }

```
package Prog4;

class prog4 {
    public static void main(String args[]) {
        int i = 1;
        for(;;) {
            System.out.println("i = " + i);
            i++;
            if (i > 10) {
                break;
            }
        }

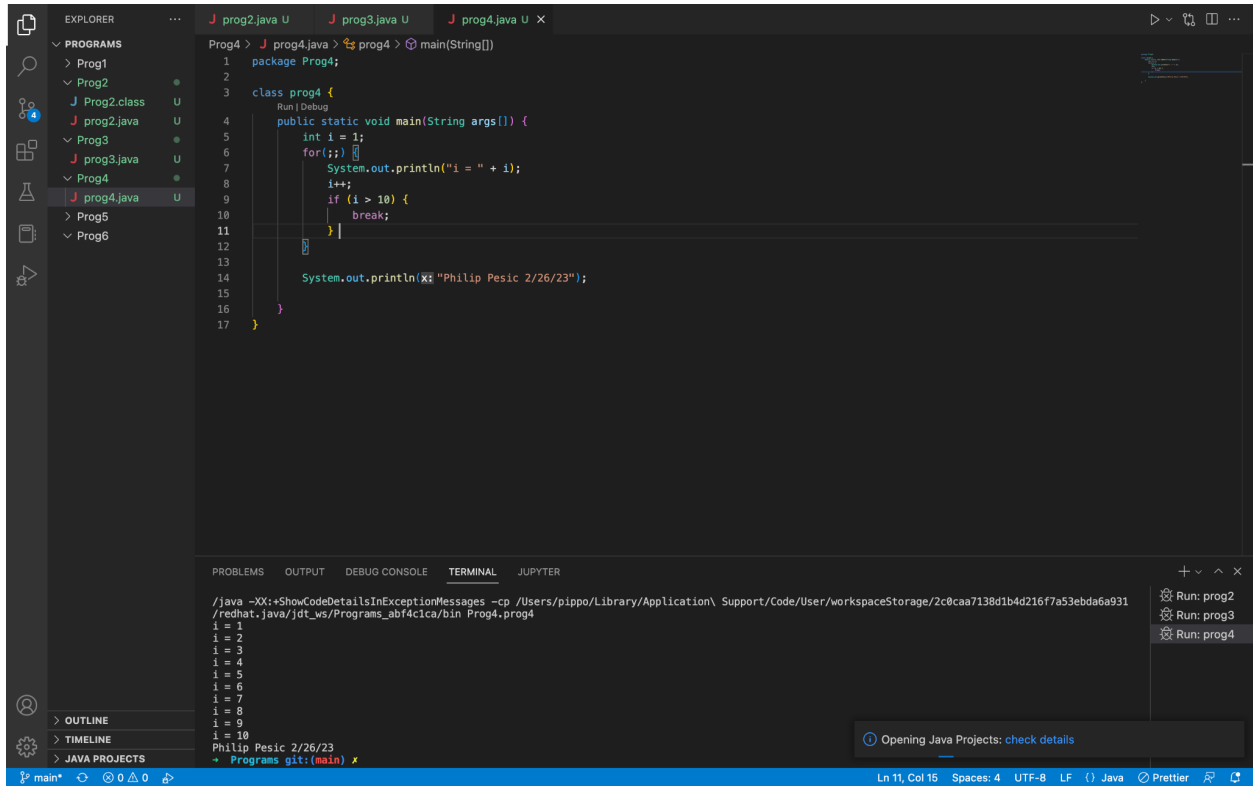
        System.out.println("Philip Pesic 2/26/23");
    }
}
```

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The screenshot shows an IDE with a Java project named 'Prog4'. The Explorer panel on the left shows a folder 'PROGRAMS' containing files 'Prog1', 'Prog2', 'Prog3', 'Prog4', 'Prog5', and 'Prog6'. The 'Prog4' folder is expanded, showing 'prog2.class', 'prog2.java', 'prog3.java', 'prog4.java', and 'prog5.java'. The 'prog4.java' file is selected and its content is displayed in the editor. The code is as follows:

```
1 package Prog4;
2
3 class prog4 {
4     public static void main(String args[]) {
5         int i = 1;
6         for(;;) {
7             System.out.println("i = " + i);
8             i++;
9             if (i > 10) {
10                break;
11            }
12        }
13
14        System.out.println("Philip Pesic 2/26/23");
15    }
16 }
17 }
```

The output window at the bottom shows the execution of the program, displaying the values of 'i' from 1 to 10, followed by the message 'Philip Pesic 2/26/23'. The status bar at the bottom indicates the current line and column (Ln 11, Col 15) and the file encoding (UTF-8).

I learned: how to use the break; keyword