

Philip Pesic

Week 12

April 9 2023

Week 12 Prog 3

User input stored in an array of strings...

Create an array of strings to store 6 names.

Prompt the user, using a loop, to enter 6 names, one at a time, and store them one at a time in the names array.

Print out the names from the names array using another loop.

```
package Prog3;
import java.util.Scanner;

class prog3 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        String[] names = new String[6];

        for(int i = 0; i < 6; i++) {
            names[i] = input.nextLine();
        }

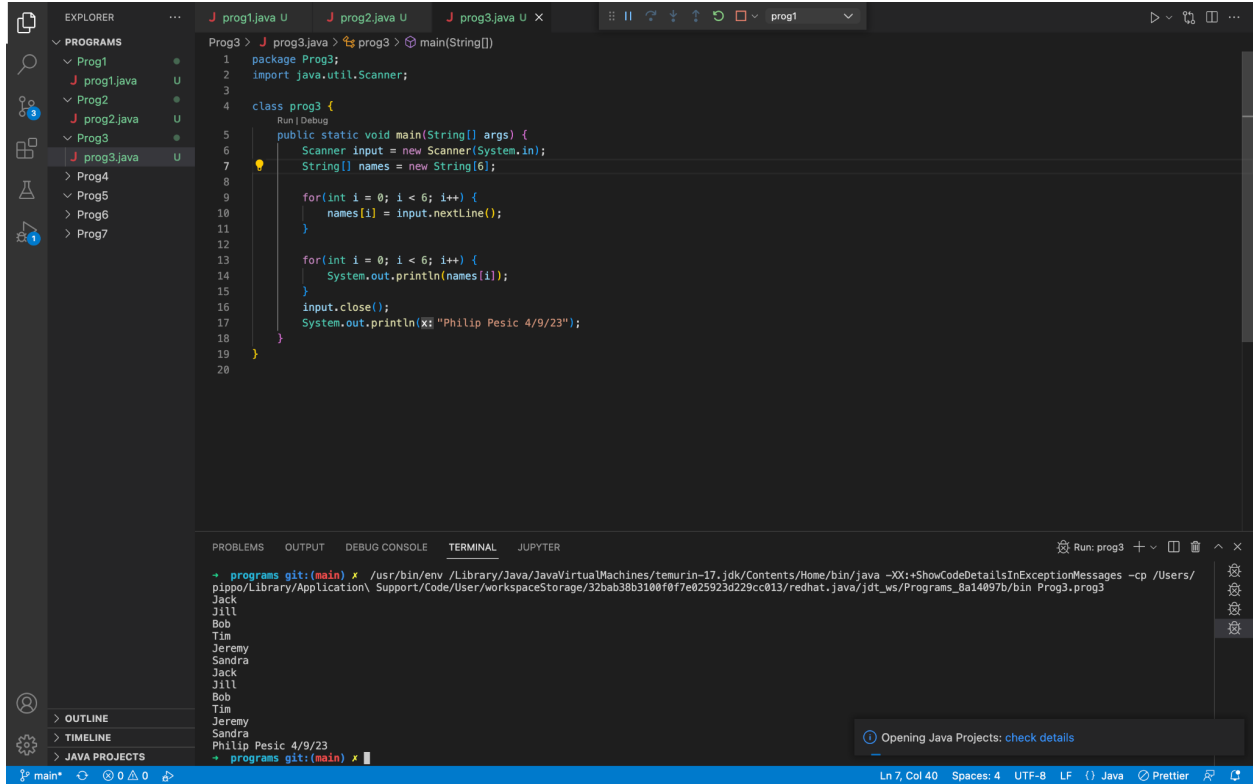
        for(int i = 0; i < 6; i++) {
            System.out.println(names[i]);
        }
        input.close();
        System.out.println("Philip Pesic 4/9/23");
    }
}
```

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The screenshot shows an IDE with a Java file named `prog3.java` open. The code defines a class `prog3` with a `main` method. The `main` method uses a `Scanner` to read input from the user, stores it in an array `names`, and then prints each element of the array. The terminal output shows the program running and printing the names: Jack, Jill, Bob, Tim, Jeremy, Sandra, Jack, Jill, Bob, Tim, Jeremy, Sandra, and Philip Pesic 4/9/23.

```
Prog3 > J prog3.java > prog3 > main(String[])
1 package Prog3;
2 import java.util.Scanner;
3
4 class prog3 {
5     public static void main(String[] args) {
6         Scanner input = new Scanner(System.in);
7         String[] names = new String[6];
8
9         for(int i = 0; i < 6; i++) {
10             names[i] = input.nextLine();
11         }
12
13         for(int i = 0; i < 6; i++) {
14             System.out.println(names[i]);
15         }
16         input.close();
17         System.out.println("Philip Pesic 4/9/23");
18     }
19 }
20
```

Run: prog3

```
+ programs git:(main) * /usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/pippo/Library/Application\ Support/Code/User/workspaceStorage/32bab38b3100f0f7e025923d229cc013/redhat.java/jdt_ws/Programs_8a14097b/bin Prog3.prog3
Jack
Jill
Bob
Tim
Jeremy
Sandra
Jack
Jill
Bob
Tim
Jeremy
Sandra
Philip Pesic 4/9/23
```

I learned how to use variables to access elements in an array