

Philip Pesic

Week 17

May 14 2023

Week 17 Prog 3

https://www.youtube.com/watch?v=J6B_gauxfuc

```
package Prog3;

class prog3 {
    public static <T extends Comparable<T>> T max(T a, T b, T c) {
        T m = a;
        if (b.compareTo(m) > 0) {
            m = b;
        }
        if (c.compareTo(m) > 0) {
            m = c;
        }
        return m;
    }

    public static void main(String[] args) {
        System.out.println(max(1, 2, 3));
        System.out.println(max('a', 'b', 'c'));

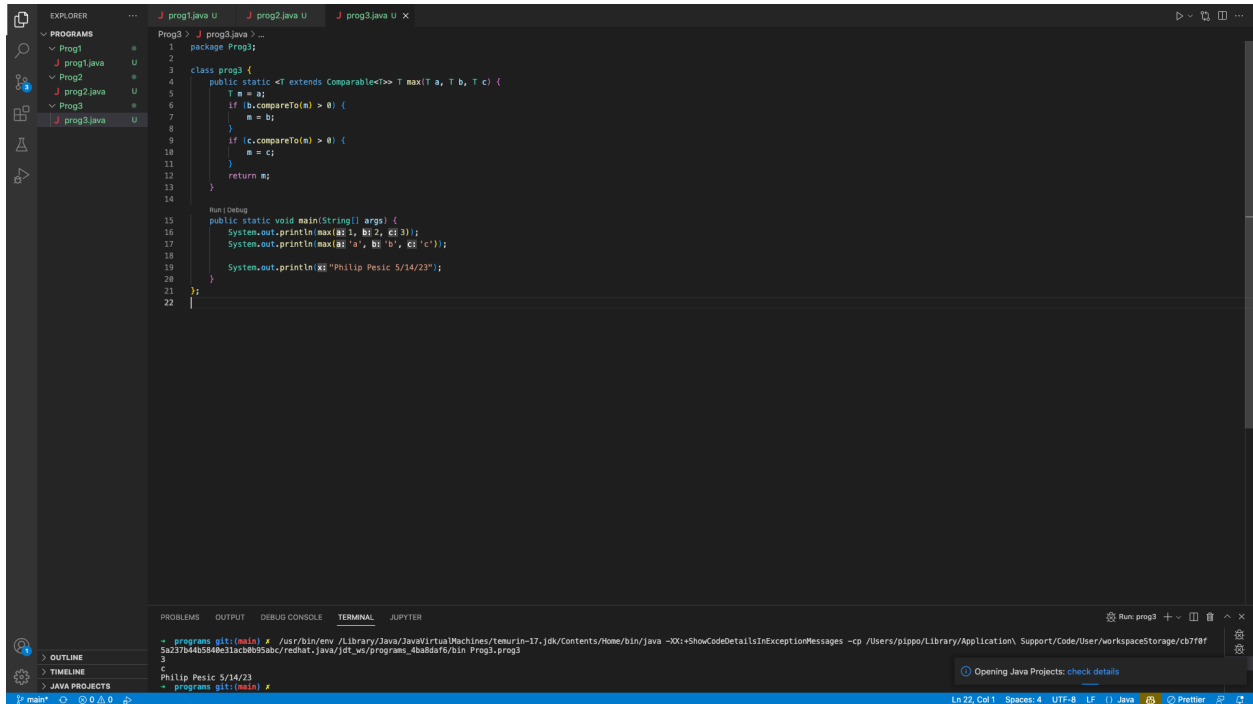
        System.out.println("Philip Pesic 5/14/23");
    }
};
```

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```
1 package Prog3;
2
3 class Prog3 {
4     public static <T extends Comparable<T>> T max(T a, T b, T c) {
5         T m = a;
6         if (b.compareTo(m) > 0) {
7             m = b;
8         }
9         if (c.compareTo(m) > 0) {
10            m = c;
11        }
12        return m;
13    }
14
15    Run | Debug
16    public static void main(String[] args) {
17        System.out.println(max(1, 2, 3));
18        System.out.println(max('a', 'b', 'c'));
19        System.out.println(max(5, 14, 23));
20    }
21 }
22
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

→ programs git:(main) # /usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -Xi:ShowCodeDetailsInExceptionMessages -cp /Users/pippo/Library/Application\ Support/Code/User/workspaceStorage/cb778f/5a227b4b348e31ac8b85abc/redhat.java/jdt_ws/programs_4ba8a16/bin Prog3.Prog3

→ Philip Pesic 5/14/23

→ programs git:(main) #

Ln 22, Col 1 Spaces: 4 UTF-8 LF Java Prettier

I learned how to return generic variables

Summary

Generic functions can also return a generic value. For example, a generic return variable, var, can be assigned the value of a parameter. The type of var is then inferred by the type of the variable used to assign it. To return this variable, the return type of the function must also be T.