

Philip Pesic

Week 7

March 5 2023

Week 7 Prog 5

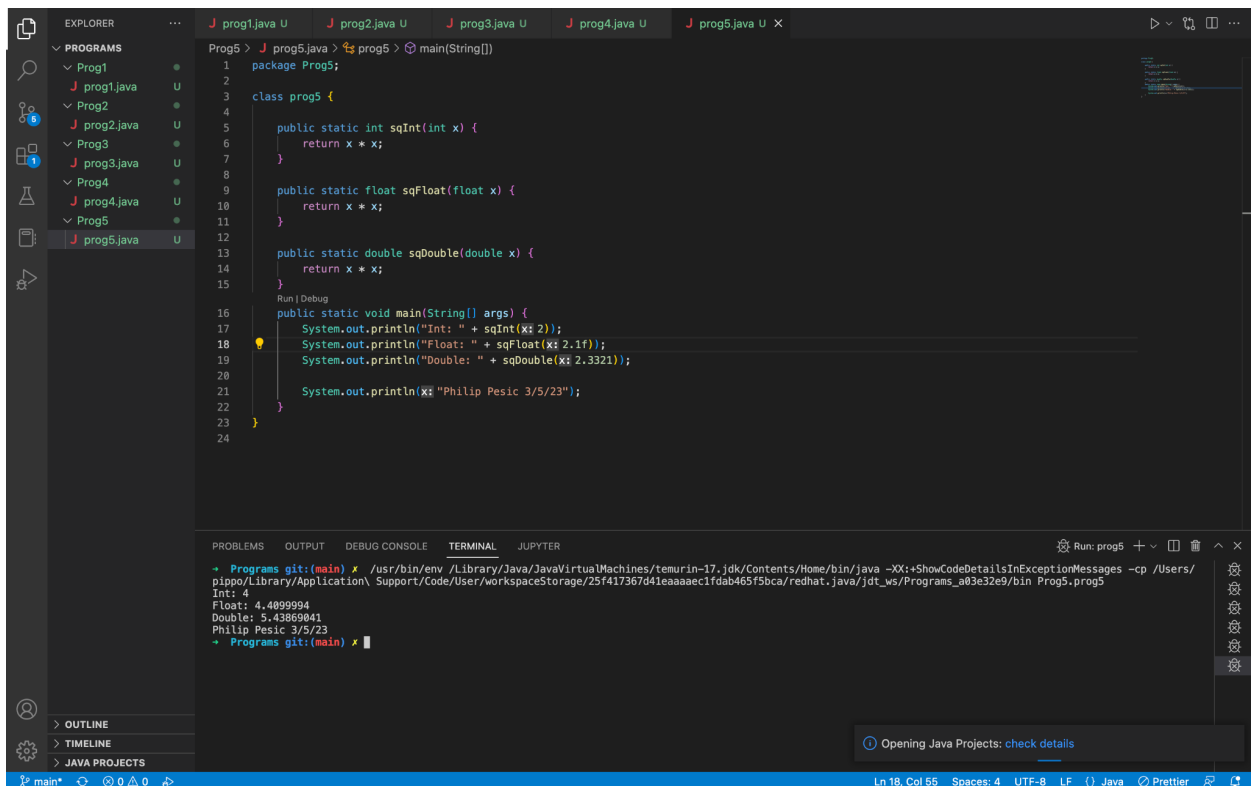
Exercise 5 – In one program, write 3 separate functions, and use them.

1) Write the function body for each:

int squareInteger (int x)

double squareDouble(double d)

float squareFloat (float f)



```
1 package Prog5;
2
3 class prog5 {
4
5     public static int sqInt(int x) {
6         return x * x;
7     }
8
9     public static float sqFloat(float x) {
10        return x * x;
11    }
12
13    public static double sqDouble(double x) {
14        return x * x;
15    }
16
17    public static void main(String[] args) {
18        System.out.println("Int: " + sqInt(2));
19        System.out.println("Float: " + sqFloat(2.1f));
20        System.out.println("Double: " + sqDouble(2.3321));
21
22        System.out.println(❏ "Philip Pesic 3/5/23");
23    }
24 }
```

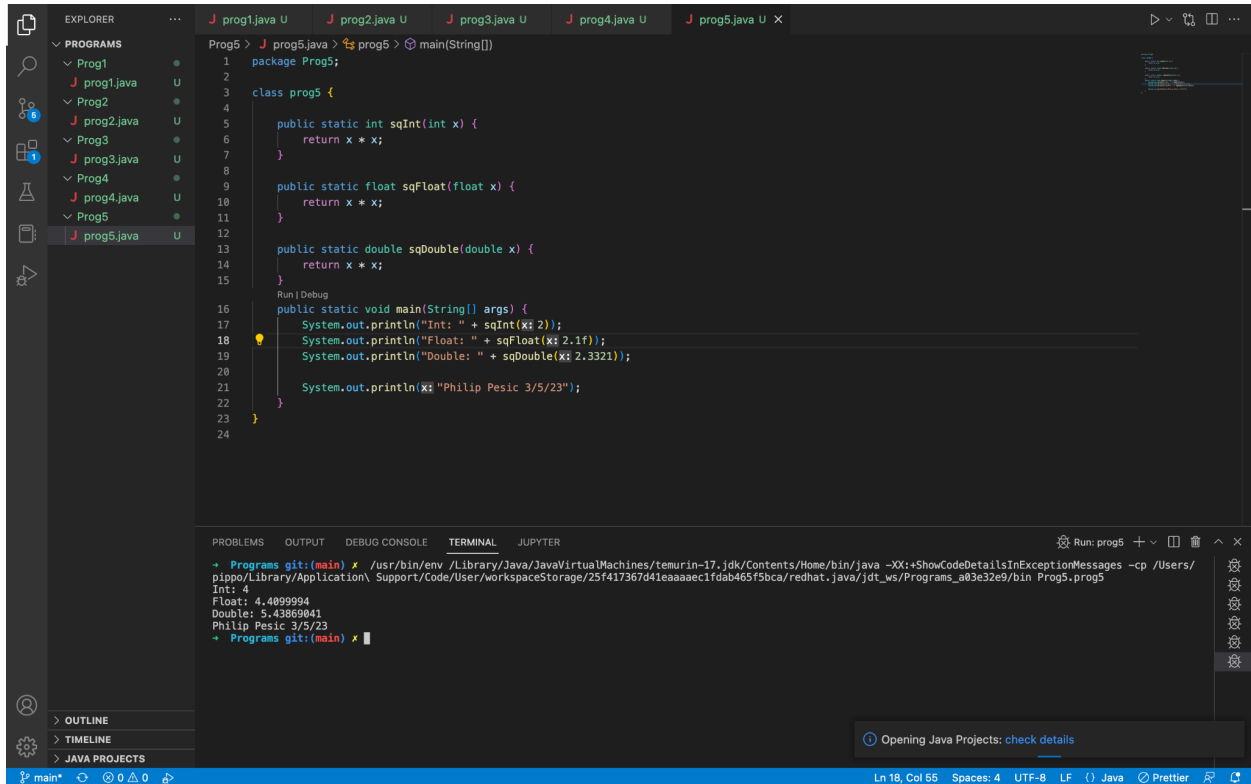
```
Run: prog5
+ Programs git:(main) x /usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/pipopo/Library/Application\ Support/Code/User/workspaceStorage/25f417367d41eaaaaec1fdb465f5bca/redhat.java/jdt_ws/Programs_a03e32e9/bin Prog5.prog5
Int: 4
Float: 4.4099994
Double: 5.43869841
Philip Pesic 3/5/23
+ Programs git:(main) x
```

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```
1 package Prog5;
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3 class prog5 {
4
5     public static int sqInt(int x) {
6         return x * x;
7     }
8
9     public static float sqFloat(float x) {
10        return x * x;
11    }
12
13    public static double sqDouble(double x) {
14        return x * x;
15    }
16
17    public static void main(String[] args) {
18        System.out.println("Int: " + sqInt(x: 2));
19        System.out.println("Float: " + sqFloat(x: 2.1f));
20        System.out.println("Double: " + sqDouble(x: 2.3321));
21
22        System.out.println(x: "Philip Pesic 3/5/23");
23    }
24 }
```

Run | Debug

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Run: prog5

```
+ 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/25f417367d41eaaac1fdb465f5bca/redhat.java/jdt_ws/Programs_a83e32e9/bin Prog5.prog5
Int: 4
Float: 4.4099994
Double: 5.43869941
Philip Pesic 3/5/23
+ Programs git:(main) *
```

Ln 18, Col 55 Spaces: 4 UTF-8 LF Java Prettier

I learned: how to use functions with different parameter datatypes