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Philip Pesic
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Week 4

February 12 2023

Week 4 Prog 3

Write a program from scratch given these declarations and assignments: double a = 18, b = 6, c =

3, and

that calculates and prints out the answers for:

```
a + b / c;

(a + b) / c;

a + (b / c);
```

```
class prog3 {
  public static void main(String[] args) {
     double a = 18, b = 6, c = 3;
     double sum1, sum2, sum3;

     sum1 = a + b / c; //Computes b/c then adds a
     sum2 = (a + b) / c; // divides sum of a + b by c
     sum3 = a + (b / c); //Same as sum1

     System.out.println("a + b / c = " + sum1);
     System.out.println("(a + b) / c = " + sum2);
     System.out.println("a + (b / c) = " + sum3);

     System.out.println("Philip Pesic 2/12/23");
}
```

Philip Pesic

Week 4

February 12 2023

Week 4 Prog 3

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C
          \vee PROGRAMS
                                                                            package prog3;
class prog3 {
           J prog1.java
∨ prog2
                                                                          Run|Debug

4 public static void main(String[] args) {
                                                                                                 double a = 18, b = 6, c = 3;
double sum1, sum2, sum3;
                                                                                                  sum1 = a + b / c;
sum2 = ( a + b ) / c;
sum3 = a + ( b / c );
                                                                                                    System.out.println("a + b / c = " + sum1);
System.out.println("( a + b ) / c = " + sum2);
System.out.println("a + ( b / c ) = " + sum3);
                                                                                                     System.out.println(x: "Philip Pesic 2/12/23");
                                                                           PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
                                                                          - Programs git:(main) x /usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin /java -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/pippo/Library/Application\ Support/Code/User/wor kspaceStorage/f520bc78acaef7e3339edf2442f6d16e/redhat.java/jdt_ws/Programs_c361df8c/bin prog3.prog3 a + b / c = 20.0 ( a + b ) / c = 8.0 a + ( b / c ) = 20.0 Philip Pesic 2/12/23 - Programs git:(main) x
                                                                                                                                                                                                                                                                               > zsh prog2
                                                                                                                                                                                                                                                                               ⊗ Run: prog2
          > OUTLINE
          > TIMELINE
           > JAVA PROJECTS
                                                                                                                                                                          Ln 4, Col 23 (23 selected) Spaces: 4 UTF-8 LF (} Java ⊘ Prettier 👂 🚨
```

I learned: how compilers handle the order of operations