Answers to:
Review of yesterday’s concepts
The worksheet on Primitive types

Problem 1.1

byte, short, int, long <- integer types
float, double <- floating point types
char
boolean

Problem 1.2

int i0, i1;
double d0, d1;
char c0;
String s0, s1;

Problem 1.3

i0 = 42;
i1 = 5;
d0 = 2.0;
c0 = ‘G’;
s0 = “Let’s code ”;
s1 = “Java!”;
Problem 1.4

Problems one and two would actually have a compilation error because d1 is not initialized. For the sake of this exercise, let’s assume d1 is initialized to 0.

1. \( d_0 \times d_1 = 0.0 \)
2. \( d_0 + d_1 = 13.50.0 \)
3. Let’s code Java!
4. L
5. \( i_0/i_1 = 8 \)
6. false

Notes:
- Problem 2 concatenates the two numbers together as Strings because of precedence. The expression being read left to right and the left-most value is a String. This can be fixed by using parenthesis.
- Problem 6 is false because at the top of the worksheet I stated that the worksheet should be read sequentially and in Problem 2 d0 is assigned to 13.5.