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CS 2024 – C++ Programming
Assignment #0 (Sample Assignment)
Deitel & Deitel, Exercise 3.16

For this assignment we are asked to read two numbers in from the user and display the sum, product, difference and quotient. While this may be a very simplistic set of tasks to accomplish the assignment will serve to acquaint myself with the process of building a C++ program as well as interacting with the course management system for submitting assignments.

The problem may be effectively solved by declaring two integer variables, prompting the user to input a number in each, and then printing out the calculations requested one line at a time. I chose to “repeat the equation” back to the user to make the output look nicer. That is, if the user enters the numbers 7 and 3 for input, instead of just printing something like:

Num1 + Num2 = 10

I’ll print out something a little nicer, such as:

7 + 3 = 10

There really are not many option for solving this assignment. For calculating the product of the two numbers I could have entered into a loop that performs repetitive addition instead of simply using the * operator, but since we haven’t covered loops yet it might have been premature to use such a solution.

This assignment has taught me to the basics of building a C++ program using my compiler (XCode). Completing this assignment has also given me experience with “doing a writeup” which I think will be useful as we get into more complicated exercises.