

New Beginnings – Summer 2018

C++ Programming - Topic #1 Practice

Listed below is a set of practice problems. Select a subset of these to work on over the weekend – depending on where you feel you need to focus.

From the Malik book(6th Edition):

Knowledge Questions(we will review in class on Tuesday):

Chapter 4

Problem 1 – page 240-241 (good summary of expressions)

Problems 5 & 6 – Relational Operators

Problem 13 – Correct the errors

Problem 30 – Correct the errors(Type it in and get it to run)

Chapter 5

Problem 11 – while loop

Problem 22 – for loop

Problem 30 – Correct the errors(Type it in and get it to run)

Programming

Chapter 4

Problem 6. Write a program to take in the three sides of a triangle. Output a message telling the user if it is a “right triangle”. (Remember $a^2 + b^2 = c^2$ in a right triangle. Hint: You don’t need a square root function.)

Problem 9. Write a simple calculator program that takes two integers followed by an operation(+, -, * and /). The output would look like: (The $3 + 4 = 7$ is output by the program.)

```
%. /calc
3
4
+
3 + 4 = 7
```

Chapter 5

CHALLENGE PROGRAM – Chapter 5 Problem #9 page 330