

Laboratory 04. Chapter 6: Functions and an Introduction to Recursion

Programming Methodologies Lab Spring 2018

Instructions

This laboratory requires you to solve **Lab Exercise 3 – Greatest Common Divisor**, chapter 6 of the Laboratory Manual. Read the description of the problem and the problem-solving tips before you start programming. You can download the following template files from Sakai:

`gcd.cpp`

You are **required** to solve only *Lab Exercise 3* on page 25. The *Follow-Up Questions and Activities* are not required.

Submission

Show your work to the TAs (even if you did not finish) before submitting your code. You are required to submit two files (or three files) this time, one includes the main function and the other (or the other two) has the gcd function definition. Basically, you have two options:

1. you can use a single *.h file for function definition and a single *.cpp for the main function.
2. you can use a *.h and *.cpp file for function definition and again a single *.cpp file for the main function.

The `gcd.cpp` file provided in Sakai helps you how to write a code. The definition of the gcd function and the main function are in the same file, you need to separate these definitions.

NOTE – You need to **Upload** your files and then **Submit** them. The TAs will have no access to your files if you forget to submit them.