

**Department of Computer Science
University of Massachusetts Lowell
91.102 Computing II
Fall 2015**

Lab 3: makefile (Part 1)

In this lab, you will create a simple makefile to compile C source files.

- Name the makefile as 'makefile'
- use gcc as the compiler
- define rules for compiling .c to .o and linking .o files to executable
- following source files will be used
 - main.c
 - my_add.c
 - my_add.h
 - my_mult.h
 - my_mult.c
- following targets should be supported
 - all
 - clean
 - my_exec
 - debug
- build the executable by executing makefile
- Do the following and record your observations
 - edit main.c—add a comment line—make
 - edit my_add.c—add a comment line—make
 - edit my_add.h—add a comment line—make
 - edit my_mult.c—add a comment line—make
 - edit my_mult.h—add a comment line—make
- Under what circumstances editing a source file [assume corresponding .o file exists] will make NOT trigger a compile of the source file—please explain and if possible reproduce.

Deliverables

- a report of the observations
- makefile