# lab 02 Makefiles

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**Instructions:** In this lab please develop a makefile for the code provided in your lab02 directory. Please ensure the following:

1. Rules to compile each .cpp file into a .o file. Those .o files should be create in an objs directory.

   - You will need a rule to create a obj directory and then put the .o file in there when compiling.

2. Add an "all" rule that:

   (a) Compiles all cpp files to .o files into the objs directory

   (b) After creating the .o files, link them into an executable file in the lab02 directory.

3. Create a rule "run" that runs your program with valgrind.

4. Finally create a rule "clean" that removes the object files, and the executable.

**Google Help:**
For this assignment feel free to Google help. Just make sure you cite! I recommend putting a comment in your makefile telling me which website you used.

**How to turn in:**
Turn in via GitHub. Ensure the file(s) are in your directory and then:

- $ git add <files>

- $ git commit

- $ git push

**Due Date:** January 09, 2019 2359

**Teamwork:** No teamwork, your work must be your own.