Lab 7: Build Systems

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Introduction

This lab will give you experience writing a couple of makefiles. `git clone` the lab repository and have fun!

Problem 1: A simple makefile

Write a makefile named `makefile1` that includes:

- Simple targets (no patterns) for each `.cpp` file in the repository

- A target that builds the whole program

- A `clean` target

  Tip: You can tell `make` to use a different makefile with the `-f` option.

Problem 2: A complicated makefile

Write a makefile named `makefile2` that includes:

- A variable that lets you set the compiler

- A pattern target for all `.o` files

- A target that builds a release version of the program

- A target that builds a debug version of the program

- A `clean` target

Epilogue

`git add` your two makefiles and `git push`!