ECE454 Lab 1

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Lab 1 – Goals

• Familiarize with C/C++ and its toolchains

• Explore common tools and options
  • Profiling tools (time, gprof, gcov)
  • Inspection tools such as objdump
  • Various compiler flags (-g =, -O0, -O1, -O2 ..etc)
Lab1 – Goals

But Seriously... What you should do is

• Build your relationship with stackoverflow

and have an open and curious mentality

Lab 1 is simple and no real coding required!
Lab1 – Overview

• **Time Frame**: Sept 13 – Sept 20 (~1 week)

• **Lab Marks**: Worth 5% of total course mark

• **Team Composition**: Individual work

• **My Suggestion:**

  Do not spend too much time on the actual lab (super easy lab)
  
  Do spend lots of time on what compiler is doing behind your back
  - This part really helps you with lab2 (lab w/ low average)
Helpful Resource

GCC Man Page: https://lmgtfy.com/?q=gcc+man+page
Gprof Tutorial: https://lmgtfy.com/?q=gprof+tutorialspoint
Gcov Tutorial: https://lmgtfy.com/?q=gcov+tutorialspoint
Git tutorial: https://lmgtfy.com/?=git+tutorial+for+beginners
Bash Script Tutorial: https://www.shellscript.sh/