Lab 1
Helpful Tips
Welcome to Lab 1!

- Long lab – will need to finish it outside your lab session
- Do not skip ahead to the tasks!
  - Read everything!

For all labs – all tasks:
- Always start your lab from your local repo directory:
  
  sfuhome/cmpt-127/cmpt127-1197-your_username
A Few Helpful Tips
Software development process

Read the requirements

Think (design) our solution (program)

Write code (our program)

Compile our program

Test our program

Reading ALL the requirements of a particular task before starting to code! Follow each requirement carefully!

gcc t1.c -> executable called a.out by default

Compile once, execute once!

gcc -o hello -Wall t1.c

Compile once, execute many times!

Our goal ->
A Few Helpful Tips

- **Be aware: Task 5 and Task 7** - Input and output interleaved on the monitor screen

- **Task 6** – Trick when initializing variables \( \text{max} \) and \( \text{min} \)

- Read **Task 9’s Guide** carefully
C Functions

For all labs – all tasks:

- Get in the habit of looking up C functions (introduced in labs) on the Internet
  - Purpose of the function
  - Parameters (numbers, data types and order) of the function
  - Returned value of the function

- For example, what does it mean when `scanf(...)` returns a number that is ...
  - > 0? -> (for you to answer)
  - 0?  -> (for you to answer)
  - < 0? -> (for you to answer)
Reminder about your Git Lab repo project web page

- Make sure you **never edit/delete files** directly from your Git Lab repo project web page

- Always do your editing on the files in your local repo, then `git add/commit/push` your changes (changed files) to your Git repo

- If you edit/delete files directly from your Git repo project web page, your Git repo will have a newer timestamp than your local repo and you will not be able to commit to your Git repo anymore