

CS1010E Lab Intro

Good to C you.

Self Intro

Name: Michael

Address Me: Teacher, Tutor, Michael, Mr Michael

Programme: Industrial & Systems Engine Year 3 (minoring in Computer Science)

Assessment

40%: Finals

5%: Tutorials

55%: Labs

~35%: Practical assessment (closed book)

~20%: In-class lab exercises

35%: Lab Practical Assessment

- Closed Book
- No discussion

20%: In-class Lab Exercises

- Open Book
- Discussion Allowed
- Exercises can be completed and submitted by next day (Thursday) 2359 hrs
- 3 sets of 3 Lab exercises (9 Labs in total)
 - In each set of 3, the best 2 results will be counted into your grade
- Easy to get 100% marks for this part

Contact Me

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Compiler Basics

Dummies Guide

Comprehensive Guide here

<https://drive.google.com/open?id=0B8fOxj5Tbv-AWXA4R1YwcFhueWs>

MinGW/Cygwin/Terminal Commands

- `vim example.c` Open/Create `example.c` with Vim
- `rm example.c` Remove/Delete `example.c`
- `cp example1.c example2.c` Make a copy of `example1.c` and name it `example2.c`
- `mv example.c ./folder1` Move `example.c` to `folder1`

- `gcc example.c` Compile into default `a.exe/a.out`
- `gcc -Wall example.c` Compile and show all warnings and errors

- `./a.out` Run `a.exe`
- `./a.exe` Run `a.out`

- `cd` Change to Home directory(folder)
- `cd exampleDir` Change to `exampleDir` directory(folder)
- `cd ..` Exit current directory(folder) to parent directory(folder)

- `pwd` Show which directory you are currently in
- `./a.out` Run `a.out`
- `./a.exe` Run `a.exe`
- `a.exe < in.txt | diff - out.txt` Test your program

- `exit` Close window

Vim Commands

- :w Saves but remain in vim
- :wq Saves and quits
- :q! Quit without saving

- shift + v Starts selection
 - d Cut (when doing shift + v selection)
 - y Yank/ Copy (when doing shift + v selection)
 - shift + p Paste

- gg=G Indent all lines
- u undo
- ctrl + r redo

Vim Commands

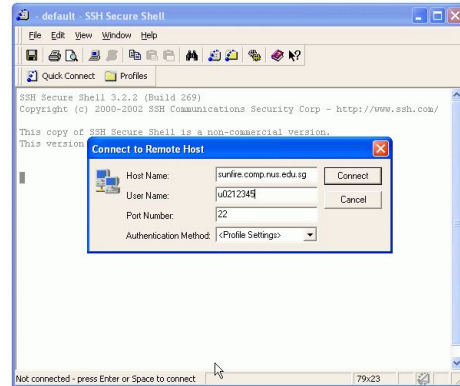
- `:w` Saves but remain in vim
- `:wq` Saves and quits
- `:q!` Quit without saving
- `shift + v` Starts selection
 - `d` Cut (when doing *shift + v* selection)
 - `y` Yank/ Copy (when doing *shift + v* selection)
- `shift + p` Paste
- `gg=G` Indent all lines
- `u` undo
- `ctrl + r` redo

Lab 1

It begins.

Instructions

- Find the SSH Secure Shell shortcut on the desktop
- Log in using your plab account and password
- Once you have logged in, type in:
~cs1010e/setup
Then hit enter.



Final Notes

- Attendance
- Codecrunch
 - <https://codecrunch.comp.nus.edu.sg/>
 - Grade
 - Naming of file
- Font size
- del key
- Indenting (gg=G)
- Get all the 20%