

# ENGR30003 - Numerical Programming for Engineers

Shreyash Patodia

University of Melbourne *spatodia@student.unimelb.edu.au*

July 23, 2017

## 1 Quick C revision

# Logging onto dimefox and nutmeg

- If you have your a Unix(Mac or Linux) computer go to the terminal and type in `ssh username@dimefox.eng.unimelb.edu.au`.
- *If you don't have a laptop or are using windows, log onto the uni computers and use MobaXterm, and type in the same command as above.*

# Writing a Hello World program

Write a hello world program on the server, if you store things in your drive on the uni computers they stored on the server, and you can access them via ssh-ing into the server.

You don't need to use vim or nano to write the program. Atom, Visual Studio or JEdit will work just fine.

# Writing a program to find the mean and variance of an array

- Mean is just the average.
- $(\sum (a[i] - \text{mean})^2) / \text{length}(a)$  where  $a$  is the array and  $a[i]$  is an element in the array

# The End