

Workshop 01

1. Log in to either of the following servers:
dimefox.eng.unimelb.edu.au
nutmeg.eng.unimelb.edu.au
If you do not have an account or cannot log in, please submit a ticket to IT Support (<http://ithelp.eng.unimelb.edu.au/servicedesk/>) to get it fixed as soon as possible.
2. On the server, use a text editor (e.g., *vi* or *nano*) to write a “Hello World” c program on the server, and use gcc to compile and run it.
3. (i) Use Eclipse on a lab computer if it is setup already, or (ii) [recommended] setup Eclipse environment on your own laptop. You may follow this video:
<https://www.youtube.com/watch?v=Ln1l8qSOBW0>
Some tips for installation on Windows:
 - a. Make sure you install the correct version of Java and Java Runtime for your operating system (e.g., Windows 7 and 10 are both 64 bit operating systems)
 - b. Extract Eclipse and install gcc both to the same root directory (e.g., both to the C drive, or both to the D drive)
4. On the lab computer or your laptop, compile and run a c program, the given file “WS1_helloworld.c”.
5. Make some changes to the “Hello World” program and run it, e.g., print out “Good morning”.
6. Write the code of computing mean and variance of an array of fixed size based on the skeleton file provided “WS1_static_array_skeleton.c”. Allocate memory statically for the array.
7. (Optional) Write the code of reading in an array of variable size and computing the mean and variance based on the skeleton file “WS1_dynamic_allocation_skeleton.c”. Allocate memory dynamically for the array.