

WENTWORTH INSTITUTE OF TECHNOLOGY

College of Engineering and Technology
Department of Electrical Engineering and Technology

Operating Systems
Spring 2018

Lab 1

In this lab, you are required to download and install the VirtualBox virtual machine and a Debian Linux image. You may do so by following the link www.os-book.com, clicking on the link “Linux Virtual Machine”, and following the instructions on that page.

After successfully installing and running Linux, create a new directory called lab1 in your home directory and then use the provided editor (gedit) or download an editor of your choice and write a C program that prints the text “Hello world!” on the first line, and then prints a random number whose value is between 0-99 on the next line. Your program shall then leave a blank line and then exit.

You should use gcc for compiling your program. You should name your output file lab1.out.

What to hand in (using Blackboard):

- Your “.c” and “.h” files (with appropriate comments). Do not attach project or make files.
- A screen shot of your terminal window showing the current directory, the command used to compile your program, the command used to run your program and the output of your program.

RULES:

- Each group may consult with other groups/students about GENERAL concepts or methods, but copying code (or code fragments) or algorithms is NOT ALLOWED and is considered cheating (whether copied from other students, the internet or any other source).
- Each member of a group is required to contribute, and will be required to explain and defend every part of work done.
- Only one lab report should be submitted for each group.
- **To get full credit, you must attend the lab, show me your work before you exit the lab (this goes for every student in the group), and submit your lab report before the posted deadline.**