

New York University

Tandon School of Engineering

Department of Electrical & Computer Engineering

Introduction to Operating Systems (CS-GY6233) Spring 2020

Assignment 1

In this assignment, you are required to download and install the latest VMware Workstation Player from www.vmware.com and create a new virtual machine after downloading the latest Ubuntu Linux distribution from www.ubuntu.com.

If you already have an Ubuntu linux machine, then you may use it instead of using a virtual machine, just ensure you have the latest version.

After successfully installing and running Linux, create a new directory called hw1 in your home directory and then use the default 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 hw1_yourlastname.out.

What to hand in (using NYU Classes):

- 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:

- You may consult with other 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).
- If you are having trouble, please ask your teaching assistant for help.
- You must submit your assignment prior to the deadline.