CSC 415 Operating System Principles
Summer 2020, Instructor, A. Souza

Homework Assignment #1, Hello World from Command Line Arguments

Make sure you click on the GitHub link on ilearn to create your repository for this project.

ALL CODE must be submitted to this repository for grading. DO NOT ADD ANY EXTRA FILES

1. Introduction

For this assignment, you will write a simple program in C that prints out the **EXACT** following string:

<course name>, This program has been written by <your name>!

Where<course name> is the course name csc 415 and where <your name> is replaced by your name. Both values need to be given as command line arguments. IF no arguments are given, then you should print "Invalid Arguments: None are given". You may assume that the order of the arguments is correct.

You will use a Linux computer or Linux VirtualBox for this assignment. You will need to download/install the free Virtual Box from Oracle, then download the Virtual Box appliance from the course web site (this file is more than 3Gbytes in size – be sure to use a wired connection for reasonable download times). Check the system call *man pages* on each machine to determine the correct *#include* directives to use on each machine for each system call and use *gcc* to compile your program along with a *make* file to control compilation.

2. Requirements

- Code must be written in the C programming Language
- Code must build and run on a Linux OS.
- Course name and Student name MUST be command line arguments.
- If not command line arguments are given, you must print "Invalid Arguments: None are given".
- If the correct number of command line arguments are given, you must print:
  <course name>, This program has been written by <your name>!
  - Where <course name> is the name of this course
  - Where <your name> is your name. Nick names are ok.
  - BOTH must be command like arguments.

3. Submission

You should submit your source code and a readme file to explain the following things:

1. How to build the program
2. How to run the program
3. What the program does.

This submission will be made to your repository. Make sure to do the following when you are done with your project:

- git add .
- git commit -m “some message”
- git push

See the course web site for due dates and late work policy.