Updated: August 29, 2022

CS 3035, Fall 2022
In-Lab Exercise 3

Due: August 30, 2022 (11:59 PM)

Please conduct the following two tasks exercises during today's lab. Each task has a submission requirement (stated in red within the task description). Please submit the required exercise output as a PDF file through Canvas.

Please note that some parts of this exercise assume that you have completed In-Lab Exercises 1 and 2 successfully.

1. Clone the class git repository from GitHub on to your Ubuntu VM. GitHub is a code-hosting platform that I will use to share the code examples that we discuss in class. All code examples from class will be hosted in the GitHub repository **https://github.com/mkaur39/cs3035.git**.

   You can think of a repository on GitHub as a folder to which I can add code examples. Through the following steps, you will be able to make a clone of the repository on your Ubuntu VM using the Ubuntu terminal. Any time I update the repository with more code, you can run a command from the terminal to update your cloned repository.

   A. Log into your Ubuntu VM and open the Terminal. Navigate to where you would like to store the class repository. Typically, you would store it within your 'Home' directory, i.e. the directory that your Terminal is in by default when you start it.
   B. Within your desired directory in your Ubuntu VM, clone the Git repository using the following command:
      - git clone https://github.com/mkaur39/cs3035.git
   C. You should now see a directory named 'cs3035' within your desired directory in your Ubuntu VM. Step into the 'cs3035' directory using the following command
      - cd cs3035
   D. There are two nested sub-directories within this directory, i.e., there are two directories (one within the other) in cs3035. Navigate to the innermost directory using one of the following two ways:
      - Method 1: cd C followed by cd week2
      - Method 2: cd C/week2

      For Task 1, please paste a screenshot of the 'ls -lt' command from the location cs3035/C/week2 in your lab report. This command should list all the code examples within the week2 file.

Updated: August 29, 2022

2. We learned about arithmetic and conditional operations in today's class. We also learned how the 'if statement' uses arithmetic and conditional operators to make decisions based on specified conditions. In this task, we will write a C program that can read an integer and determine if the integer is even or odd. You can use the code example "relationalOperators" within the class repository as a reference code as you write this program.

   Your code must allow the user to input one integer that you can read using scanf. Once the integer is read by your code, it should use an 'if statement' to determine if the entered integer is even or odd. The instructor will discuss the code logic in more detail in the class.

   For Task 2, please copy and paste your code within your lab report . The instructor may also check if your code is executing prior to the end of today's lab.