CISC1600/1610 R03
Lab Instruction #4
Sept 12, 2022

Goal: In this lab, we will focus on practicing the following topics by writing a C++ program under the guidance of the instructor and lab TA:

- Practice submitting code to autograder, and understand testcases via output matching
- Using if statement, if/else statement

Note:
https://fordhamcis.github.io/CISTutorials/

Step 0: Practice download a program resided on storm to your local computer

Windows: use MobaXterm

Mac: use scp command from your terminal on Mac

1.   Note where the file you want to download is located on storm

Write down the path name for the file you want to copy to your laptop:

2. Now type the following from your terminal (**while logged out from storm):**

Here, suppose we are copying the pizza.cpp under cs1/lab1 in your home directory on storm:

scp your_account_name@storm.cis.fordham.edu:~/cs1/lab1/pizza.cpp .

 (Mark the meaning of different parts as explained by the instructor)

You will be prompted to enter your password for storm.

This file transfer a file from a remote server to your local computer.

Step 1: Write a C++ program that reads a simple arithmetic expression and evaluates the result and display it.

> *As the program will be graded by automatically, please make sure the prompt message and output format matches exactly with the example below.*

Your program should read an arithmetic expression in the format of:

Op1 operator Op2

Where Op1 and Op2 are two integers, operator is any of the following: +, -, /, *, %.

The program should function as the following sample runs demonstrate:

./a.out
Enter a simple arithmetic expression with two integers: **3+4**
Value is 7

Another example:

./a.out
Enter a simple arithmetic expression with two integers: **123%10**
Value is 3

Hint:
* Please allow user to type the whole expression in one line.
** You can read in the operator into a char type variable.

Step 2: Compile and run the program, test all five operations.

Step 3: If you work on storm (i.e., your program is located on storm), transfer your .cpp file to your laptop or lab desktop (see your note for step 0)

Step 4: Submit your program (the .cpp file) to the following website:

https://storm.cis.fordham.edu:8443/web/project/740