Purposes: The purpose of this lab is to help students

1. Understand the Linux environment: home directory, ssh software tool

2. Practice command: ls, cd, pwd, mkdir, g++, nano

3. Practice the if structure, cin, cout

Problem Description: Write a C++ program to read a integer number. Determine it is positive or negative. Requirement:

1. You should be able to use proper linux commands to performance the following actions

a. create “your directory”

b. Change directory to …

c. Delete a file

d. Create a file use nano: type “nano test1.cpp”, and follow the interface.

e. Compile a C++ source code

f. Execute your binary code

3. You program should run like below:

Please input an integer (0 stops): **2 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*** The number is positive. Thank you.

4. Save your source code as your positiveNegative.cpp, under “your directory “

Submission: in-class demo.