**CS372 Operating System**

**Lab 1**

***I Check out the history of Ubuntu***

http://en.wikipedia.org/wiki/Ubuntu\_%28operating\_system%29#History\_and\_development\_process

***II Install Ubuntu on your computer* .**

1. Ubuntu is your only operating system.

Following the installation instruction.

1. Install Ubuntu with window.

http://www.ubuntu.com/download/desktop/install-ubuntu-with-windows

1. Install Ubuntu using VirtualBox

http://www.psychocats.net/ubuntu/virtualbox

***III Use Ubuntu terminal***

https://help.ubuntu.com/community/UsingTheTerminal

***IV HelloWorld***

Experience the world of c-programming as the early computer scientists did before the wimpy world of GUI's and integrated development systems.

Use Google to find a sample helloWorld program. The hardcore people use the vi pronounced vee eye. <http://www.cs.colostate.edu/helpdocs/vi.html>

gcc is the compiler that you use to compile the program.

http://ce.uml.edu/compile.htm

You should be able to find more compete instructions on the web.

***V fork() system calls***

Create a program for your Ubuntu system that uses the fork() and pid() system calls. There is a simple example in our text and a lot of them on the web. Find a simple one, get it to work, and then play with it so it does something cool!

<http://www.csl.mtu.edu/cs4411.ck/www/NOTES/process/fork/create.html>

***VI Turn in your lab***

Turn in the screen shots of the results of IV and V.