

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.

2) Install Ubuntu with window.

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

3) 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 complete 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.