IT 1100 : Introduction to Operating Systems

Chapter 1

Terms

**Shell** is the wrapper around our connection. Basically it is the shell in which we will type our commands.

**Bash** is the language of our commands that the shell uses. It stands for Bourne Again Shell.

**Terminal** is the program used to open/view the Shell which speaks in the Bash language. Software now does what hardware used to do. Terminal, TTY and Console used to mean pretty much the same thing.

Terms

**TTY** stands for teletype. It is our literal input connection that allows us to send commands to a computer. Such as a keyboard, mouse and other serial devices.

**PTS** stands for pseudo-teletype. It is a pseudo input connection that allows us to send commands to a computer. It acts like a physical connection without being directly connected. Such as an **SSH** connection.

**Virtual Console** allows us to have multiple desktops on one machine. To switch between virtual consoles in a Linux GUI it is ctrl+Alt+Fn (Alt + F7 is the default console)

Let’s Begin

Most of your homework will be completed through a terminal and on the Linux computer called **scratch**.

Instructions to access this machine from any computer are provided in the Canvas page called **SSH Connect From Home**.

Shell commands

- Type some gibberish at the shell
- Up arrow for command history
- Left and right arrow keys to edit command
- `date`, `cal`, `exit`