**ALPHA SESSION 1 BY VINAYAKK AND PRANAY** (24/08/18)

**1 . Ubuntu Dual Boot Installation**

Follow this link to install Ubuntu 16.04 : <https://www.tecmint.com/install-ubuntu-16-04-alongside-with-windows-10-or-8-in-dual-boot/>

Please Note: Using Yumi to flassh the USB drive is a better option than Rufus.

**2. Ubuntu Basic commands:**

These commands will be run in the ubuntu terminal. Usage of a CLI is highly recommended and is the actual way of working. Prevent using GUI for as long as possible.

1. sudo: SuperUserDo command can be used to perform actions which require root permissions.

sudo <action>

1. ls : ListStructure command can be used to show the complete file structure of that particular working directory.

ls

1. cd: Change directory command can be used to go to a particular folder from your current directory.

cd <directory name>

1. Mkdir: Make directory can be used to make a particular folder in your current working directory.

mkdir <directory name>

1. cp: Copy command can be used to copy file from a source to a destination.

cp <source file> <destination>

1. rm: remove command can be used to remove the file.

rm <file source>

1. gedit: This command can be used to edit a particular file.

gedit <file source>

8. Touch: This command is used to create a file

Touch <file\_name>

**Note:**

Use camelcasing or underscores between words for naming your files.

Camelcasing example: youAreNotCool, youGetItDontYou

Use Ctrl+C for anytime you’re stuck with an ongoing process in an Ubuntu terminal. It terminates the ongoing process.

**3. Introduction to Python:**

\*Refer to sample code\*

Steps to writing your first python script:

1. Go to the directory you wish to work in using cd command.
2. Use touch to create a file. Name it with the extension .py
3. Use gedit to edit the script.
4. Run python3 file\_name.py to execute your script.