

LAB 01 Shell Commands

1. Sudo

sudo (SuperUser DO) Linux command allows you to run programs or other commands with administrative privileges, just like “Run as administrator” in Windows.

2. Apt-Get

apt-get is the one of the most important Ubuntu commands every beginner must know. It is used to install, update, upgrade and remove any package. apt-get basically works on a database of available packages.

```
techlog360@techlog360: ~  
techlog360@techlog360:~$ sudo apt-get update  
[sudo] password for techlog360:  
Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]  
Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease  
Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]  
Get:4 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [448 kB]  
Get:5 http://archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]  
Get:6 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [678 kB]  
Get:7 http://archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [249 kB]  
Get:8 http://archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [969 kB]  
52% [8 Packages 9073 B/969 kB 1%] [4 Packages 288 kB/448 kB 64%]
```

3. History

History command displays all of your previous commands up to the history limit.

4. -d

To operate the system on a specific date, you can change the date by using “-d”.

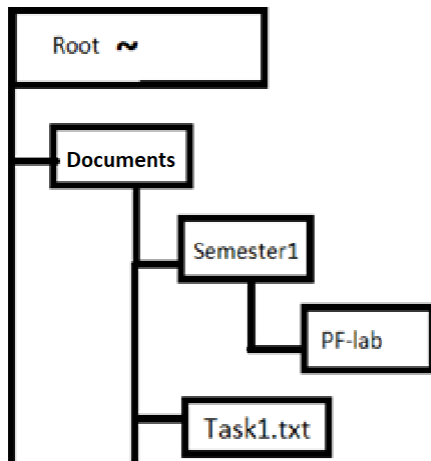
```
File Edit View Search Terminal Help  
haya@ubuntu:~$ date -d now  
Tue Jan 15 01:05:40 PST 2019  
haya@ubuntu:~$ date -d yesterday  
Mon Jan 14 01:05:43 PST 2019  
haya@ubuntu:~$ date -d tomorrow  
Wed Jan 16 01:05:45 PST 2019  
haya@ubuntu:~$ date -d last-sunday  
Sun Jan 13 00:00:00 PST 2019  
haya@ubuntu:~$ date -d "1997-04-22"  
Tue Apr 22 00:00:00 PDT 1997  
haya@ubuntu:~$
```

To further ease up your skill, these Ubuntu Terminal keyboard shortcuts would help.

Ubuntu Terminal Shortcuts	Function
Ctrl + Shift + T	Open new tab on current terminal
Ctrl + Shift + W	Close the current tab
Ctrl + A	Move cursor to beginning of line
Ctrl + E	Move cursor to end of line
Ctrl + U	Clears the entire current line
Ctrl + W	Delete the word before the cursor
Ctrl + R	Allows you to search your history for commands matching what you have typed
Ctrl + C	Kill the current process
Ctrl + L	Clears the terminal output
Alt + F	Move forward one word
Alt + B	Move backward one word
Ctrl + Shift + C	Copy the highlighted command to the clipboard
Ctrl + Shift + V or Shift + Insert	Paste the contents of the clipboard
Up/Down Arrow keys	To scroll through your command history, allowing you to quickly execute the same command multiple times

Task to be evaluated:**Task 1****Marks 40**

Create the following hierarchy as shown below:



After creating the above hierarchy do the following:

1. Now copy the Task1.txt from Desktop to PF-lab Directory without using cd command.
2. Create a copy of this task1.txt with name task1-1.txt in PF-lab Directory
3. Now move task1-1.txt to Home
4. Change path to home directory

Will be marked in the lab. Also submit screen shots of commands and directory.

Task-2**Marks 60**

Install dual boot Ubuntu 20.04 LTS or any other greater stable version.

Proof of screen shots (camera snaps) in document file should be submitted at Google class room before Wednesday 11:58PM (name of file will be RollNo_section.docx i.e. 22i-2000_A.docx).