



Operating System

Lab Report

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Experiment # 03

Introduction to Basic Commands

Objective

Learn basic commands of an Ubuntu Terminal.

Software Tool

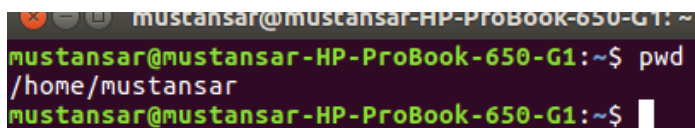
1. Ubuntu Terminal
2. Screenshots

1 Theory

This lab task was given by Sir Usman to perform some basic commands of Ubuntu like showing your current directory, creating a directory, changing a directory, go to the root directory etc. I performed this lab task in class lab and give the viva to Sir Usman of this lab task, and took screenshots of results which are attached below.

Tasks:

Task_01:



```
mustansar@mustansar-HP-ProBook-650-G1: ~  
mustansar@mustansar-HP-ProBook-650-G1:~$ pwd  
/home/mustansar  
mustansar@mustansar-HP-ProBook-650-G1:~$
```

Task_02:

```
mustansar@mustansar-HP-ProBook-650-G1: ~/Documents
mustansar@mustansar-HP-ProBook-650-G1:~$ cd /home/mustansar/Documents
mustansar@mustansar-HP-ProBook-650-G1:~/Documents$
```

Task_03:

```
mustansar@mustansar-HP-ProBook-650-G1: /home
mustansar@mustansar-HP-ProBook-650-G1:~/Documents$ cd /home
mustansar@mustansar-HP-ProBook-650-G1:/home$
```

Task_04:

```
mustansar@mustansar-HP-ProBook-650-G1: /
mustansar@mustansar-HP-ProBook-650-G1:/home$ cd ..
mustansar@mustansar-HP-ProBook-650-G1:/$
```

Task_05:

```
mustansar@mustansar-HP-ProBook-650-G1: /
mustansar@mustansar-HP-ProBook-650-G1:/$ ls
bin      dev      initrd.img  lib64      mnt      root    snap    tmp      vmlinuz
boot     etc      initrd.img.old  lost+found  opt      run     srv     usr      vmlinuz.old
cdrom    home     lib          media       proc     sbin    sys     var
```

Task_06:

```
mustansar@mustansar-HP-ProBook-650-G1: /  
mustansar@mustansar-HP-ProBook-650-G1:/$ ls -l  
total 100  
drwxr-xr-x  2 root root  4096 ألي 25 17:01 bin  
drwxr-xr-x  3 root root  4096 ألي 25 17:04 boot  
drwxrwxr-x  2 root root  4096 ألي 25 13:20 cdrom  
drwxr-xr-x 21 root root  4580 ىم  2 2018 dev  
drwxr-xr-x 130 root root 12288 ىم  2 2018 etc  
drwxr-xr-x  3 root root  4096 ألي 25 13:36 home  
lrwxrwxrwx  1 root root   33 ألي 25 17:03 initrd.img -> boot/initrd.img-4.13  
.0-39-generic  
lrwxrwxrwx  1 root root   33 ألي 25 13:42 initrd.img.old -> boot/initrd.img-  
4.13.0-36-generic  
drwxr-xr-x  22 root root  4096 ألي 25 13:47 lib  
drwxr-xr-x  2 root root  4096 يروف 28 23:26 lib64  
drwx----- 2 root root 16384 ألي 25 13:18 lost+found  
drwxr-xr-x  3 root root  4096 ألي 25 17:05 media  
drwxr-xr-x  2 root root  4096 يروف 28 23:25 mnt  
drwxr-xr-x  2 root root  4096 يروف 28 23:25 opt  
dr-xr-xr-x 279 root root    0 ىم  2 2018 proc  
drwx----- 4 root root  4096 ألي 25 16:44 root  
drwxr-xr-x  26 root root   780 ىم  1 20:00 run  
drwxr-xr-x  2 root root 12288 ألي 25 17:01 sbin  
drwxr-xr-x  2 root root  4096 ألي 25 17:03 snap  
drwxr-xr-x  2 root root  4096 يروف 28 23:25 srv
```

Task_07:

```
mustansar@mustansar-HP-ProBook-650-G1: /  
mustansar@mustansar-HP-ProBook-650-G1:/$ ls -a  
.      cdrom  initrd.img  lost+found  proc  snap  usr  
..     dev   initrd.img.old  media      root  srv   var  
bin    etc   lib         mnt        run   sys   vmlinuz  
boot   home  lib64       opt        sbin  tmp   vmlinuz.old  
mustansar@mustansar-HP-ProBook-650-G1:/$
```

Task_08:

```
mustansar@mustansar-HP-ProBook-650-G1: /boot
mustansar@mustansar-HP-ProBook-650-G1:/$ cd /boot
mustansar@mustansar-HP-ProBook-650-G1:/boot$ ls
abi-4.13.0-36-generic      memtest86+.elf
abi-4.13.0-39-generic      memtest86+_multiboot.bin
config-4.13.0-36-generic   retpoline-4.13.0-36-generic
config-4.13.0-39-generic   retpoline-4.13.0-39-generic
grub                       System.map-4.13.0-36-generic
initrd.img-4.13.0-36-generic System.map-4.13.0-39-generic
initrd.img-4.13.0-39-generic vmlinuz-4.13.0-36-generic
memtest86+.bin             vmlinuz-4.13.0-39-generic
mustansar@mustansar-HP-ProBook-650-G1:/boot$
```

Task_09:

```
mustansar@mustansar-HP-ProBook-650-G1: ~
mustansar@mustansar-HP-ProBook-650-G1:~$ mkdir testdir
mustansar@mustansar-HP-ProBook-650-G1:~$
```

Task_10:

```
mustansar@mustansar-HP-ProBook-650-G1: ~/Documents
mustansar@mustansar-HP-ProBook-650-G1:~$ cd /home/mustansar/Documents
mustansar@mustansar-HP-ProBook-650-G1:~/Documents$ mkdir newdir
mustansar@mustansar-HP-ProBook-650-G1:~/Documents$ ls
newdir
mustansar@mustansar-HP-ProBook-650-G1:~/Documents$
```

Task_11:

```
mustansar@mustansar-HP-ProBook-650-G1: ~
mustansar@mustansar-HP-ProBook-650-G1:~$ mkdir dir1 dir1/dir2 dir1/dir2/dir3
mustansar@mustansar-HP-ProBook-650-G1:~$ ls
Desktop  Documents  examples.desktop  newdir      Public      Videos
dir1     Downloads  Music              Pictures     Templates
mustansar@mustansar-HP-ProBook-650-G1:~$
```

Task_12:

```
mustansar@mustansar-HP-ProBook-650-G1: ~  
mustansar@mustansar-HP-ProBook-650-G1:~$ rmdir testdir  
mustansar@mustansar-HP-ProBook-650-G1:~$ ls  
Desktop    Downloads      Music  Pictures  Templates  
Documents  examples.desktop  newdir  Public    Videos  
mustansar@mustansar-HP-ProBook-650-G1:~$
```