



Operating System

Lab Report-02

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Experiment # 2

Introduction to Basic Shell Commands

Objective

To Learn basic shell commands on Ubuntu Terminal.

Software Tool

- Ubuntu Terminal

➤ Theory

This lab-task was given by Instructor to perform some basic shell commands of Ubuntu (Linux Operating System) like creating a folder, deleting a folder, modifying a file and copying, moving file from one directory to another directory. I performed this lab-task and took screenshots of results which are attached below.

➤ Task

Screenshot of command 1 to 10

```
muhammad@muhammad-HP-EliteBook-8460p: ~/adir
muhammad@muhammad-HP-EliteBook-8460p:~$ cd /home/muhammad
muhammad@muhammad-HP-EliteBook-8460p:~$ ls
Desktop    Downloads    Music    Public    Videos
Documents  examples.desktop  Pictures  Templates
muhammad@muhammad-HP-EliteBook-8460p:~$ mkdir adir
muhammad@muhammad-HP-EliteBook-8460p:~$ ls
adir    Documents  examples.desktop  Pictures  Templates
Desktop  Downloads  Music            Public    Videos
muhammad@muhammad-HP-EliteBook-8460p:~$ cd /home/muhammad/adir
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cat >testfile
Hlo Buddy
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ ls
testfile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cat testfile
Hlo Buddy
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cp testfile secondfile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ ls
secondfile  testfile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cat >secondfile
Hlo Friends
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cat testfile secondfile
Hlo Buddy
Hlo Friends
muhammad@muhammad-HP-EliteBook-8460p:~/adir$
```

Screenshot of command 11 to 13

```
muhammad@muhammad-HP-EliteBook-8460p: ~/adir
Documents  examples.desktop  Pictures  Templates
muhammad@muhammad-HP-EliteBook-8460p:~$ mkdir adir
muhammad@muhammad-HP-EliteBook-8460p:~$ ls
adir      Documents  examples.desktop  Pictures  Templates
Desktop   Downloads  Music             Public    Videos
muhammad@muhammad-HP-EliteBook-8460p:~$ cd /home/muhammad/adir
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cat >testfile
Hlo Buddy
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ ls
testfile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cat testfile
Hlo Buddy
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cp testfile secondfile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ ls
secondfile  testfile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cat >secondfile
Hlo Friends
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cat testfile secondfile
Hlo Buddy
Hlo Friends
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ rm testfile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ ls
secondfile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ clear
```

Screenshot of command 15 to 26

```
muhammad@muhammad-HP-EliteBook-8460p: ~/adir
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ mv secondfile thefile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cp thefile /home/muhammad
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ ls
thefile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ rm thefile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ ls
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cp /home/muhammad/thefile /home/muhammad/adir
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ ls
thefile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cd /home/muhammad
muhammad@muhammad-HP-EliteBook-8460p:~$ ls
adir    Documents  examples.desktop  Pictures  Templates  Videos
Desktop Downloads  Music             Public    thefile
muhammad@muhammad-HP-EliteBook-8460p:~$ rm thefile
muhammad@muhammad-HP-EliteBook-8460p:~$ ls
adir    Documents  examples.desktop  Pictures  Templates
Desktop Downloads  Music             Public    Videos
muhammad@muhammad-HP-EliteBook-8460p:~$ cd /home/muhammad/adir
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ rm thefile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ rmdir adir
rmdir: failed to remove 'adir': No such file or directory
muhammad@muhammad-HP-EliteBook-8460p:~/adir$
```

Screenshot of command 26 to 28

```
muhammad@muhammad-HP-EliteBook-8460p: ~
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cd /home/muhammad
muhammad@muhammad-HP-EliteBook-8460p:~$ ls
adir    Documents  examples.desktop  Pictures  Templates  Videos
Desktop Downloads  Music             Public    thefile
muhammad@muhammad-HP-EliteBook-8460p:~$ rm thefile
muhammad@muhammad-HP-EliteBook-8460p:~$ ls
adir    Documents  examples.desktop  Pictures  Templates
Desktop Downloads  Music             Public    Videos
muhammad@muhammad-HP-EliteBook-8460p:~$ cd /home/muhammad/adir
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ rm thefile
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ rmdir adir
rmdir: failed to remove 'adir': No such file or directory
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ rm adir
rm: cannot remove 'adir': No such file or directory
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ rm -r adir
rm: cannot remove 'adir': No such file or directory
muhammad@muhammad-HP-EliteBook-8460p:~/adir$ cd /home/muhammad
muhammad@muhammad-HP-EliteBook-8460p:~$ rm adir
rm: cannot remove 'adir': Is a directory
muhammad@muhammad-HP-EliteBook-8460p:~$ rm -r adir
muhammad@muhammad-HP-EliteBook-8460p:~$ ls
Desktop  Downloads  Music  Public  Videos
Documents  examples.desktop  Pictures  Templates
```