



Mawlana Bhashani Science and Technology University

Lab-Report

Report No:02

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Experiment No: 02

Experiment name : Basic Linux Terminal commands

Aim and Objective :

Our aim or goal is to learn the use of Linux terminal . In Linux every thing is a file we can do our work with GNU GUI tools but in Linux everything is customizable and we can customize every possible thing with terminal . In this lab we aim to do our basic work with the terminal .

To open the terminal we can use the short cut CTRL , ALT and T or open it in KDE go System ->Konsoll

Now we can start our work

Command:

Whoami:

It shows who logged on this system.

```
meraz@meraz-VirtualBox:~$ whoami
meraz
```

Hostname:

It tells on which machine you are

```
meraz@meraz-VirtualBox:~$ hostname
meraz-VirtualBox
```

pwd:

shows the path of current directory

```
meraz@meraz-VirtualBox:~$ pwd
/home/meraz
```

ls:

display the list of file in the current working directory.

```
meraz@meraz-VirtualBox:~$ ls
Desktop  Downloads  java  Pictures  python  Videos
Documents  examples.desktop  Music  Public  Templates
```

Mkdir:

use mkdir command to make a new directory.if you type mkdir music it will create a directory called music.

```
meraz@meraz-VirtualBox:~$ mkdir meraz
meraz@meraz-VirtualBox:~$ pwd
/home/meraz
```

Touch:

touch command allows you to create a new blank file through the linux command line.

```
meraz@meraz-VirtualBox:~$ touch meraz
meraz@meraz-VirtualBox:~$ pwd
/home/meraz
```

Cat:

It is used to list the content of a file on the standard output.TO fun this command type cat by followed file name.

```
meraz@meraz-VirtualBox:~$ cat>meraz
Operating Systems Lab
meraz@meraz-VirtualBox:~$ more meraz
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```

Cd:

To nevigatte through linux file and directories use the cd command.It requires either the full path or the name of the directory.

```
meraz@meraz-VirtualBox:~$ mkdir karim
meraz@meraz-VirtualBox:~$ pwd
/home/meraz
meraz@meraz-VirtualBox:~$ cd karim
meraz@meraz-VirtualBox:~/karim$ pwd
/home/meraz/karim
```

```
File Edit View Search Terminal Help
meraz@meraz-VirtualBox:~/python$ cd ..
meraz@meraz-VirtualBox:~$ mv python java
meraz@meraz-VirtualBox:~$ ls
Desktop      Downloads      java    Pictures  Templates
Documents    examples.desktop  Music   Public    Videos
meraz@meraz-VirtualBox:~$
```

Conclusion:

By having the knowledge of Linux terminal we can perform our tasks with more power and flexibility . we need less time if we do a task with terminal instead of GUI . To understand how the operating system works we need to have good knowledge about the command line.

