

# Lab-Report

Report No: 02

Course code: ICT-3110

Course title: Operating System Lab

Date of Performance:

Date of Submission: 09/09/2020

## Submitted by

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3<sup>rd</sup> year 1<sup>st</sup> semester

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Dept. of ICT

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## Submitted To

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## **Experiment No :02**

### **Experiment Name: Basic Command of Linux Operating System**

#### **Objectives:**

- What is Linux command?
- Write 15 commands in Linux operating system.
- Describe the operation of Linux basic command. (Screenshot)

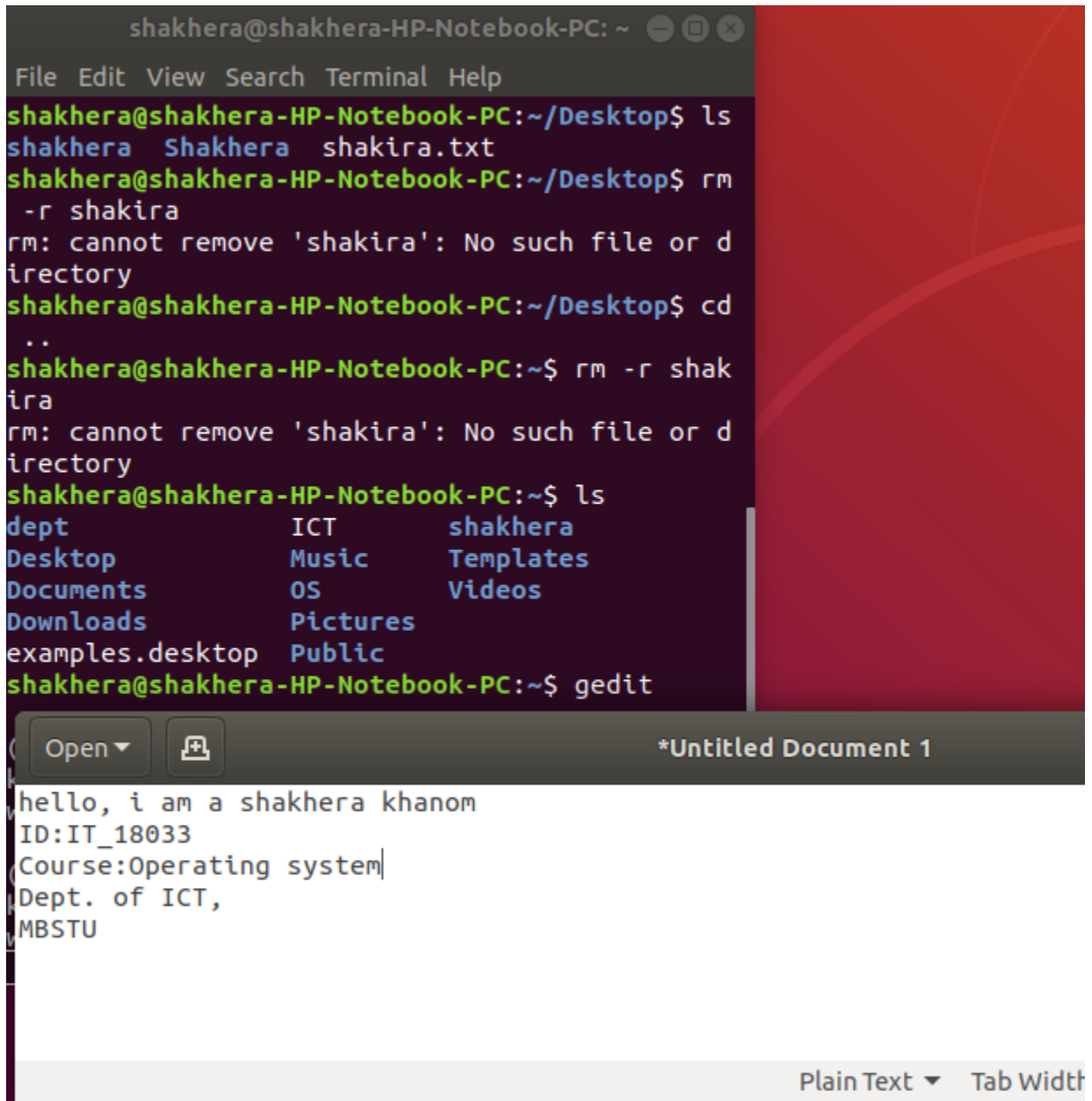
- 1.\$whoami <it shows who logged on this system>
- 2.\$hostname <it tells on which machine you are>
- 3.\$pwd <shows the path of current working directory>
- 4.\$ls <displays the list of the files of the current directory>
- 5.mkdir(directory name) <creating a directory with specified directory name>
- 6.\$cd .. <moves one directory up>
- 7.\$rmdir (directory name) <removes entire directory>
- 8.\$ rm(file name) <removes file name>
- 9.\$mv (name1 ) (name2) <rename the directories or files>
- 10.\$mv (name) (path) <moves files to the specified path>

```
shakhera@shakhera-HP-Notebook-PC: ~/operating
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

shakhera@shakhera-HP-Notebook-PC:~$ whoami
shakhera
shakhera@shakhera-HP-Notebook-PC:~$ hostname
shakhera-HP-Notebook-PC
shakhera@shakhera-HP-Notebook-PC:~$ pwd
/home/shakhera
shakhera@shakhera-HP-Notebook-PC:~$ ls
Desktop  Downloads      hello.java  Music  Pictures  Templates
Documents examples.desktop java        oper1  Public    Videos
shakhera@shakhera-HP-Notebook-PC:~$ mkdir operating
shakhera@shakhera-HP-Notebook-PC:~$ mkdir cradit1
shakhera@shakhera-HP-Notebook-PC:~$ touch class.cl
shakhera@shakhera-HP-Notebook-PC:~$ ls
class.cl  Documents      hello.java  oper1      Public
cradit1   Downloads      java        operating   Templates
Desktop  examples.desktop Music        Pictures    Videos
shakhera@shakhera-HP-Notebook-PC:~$ cd operating
```

```
shakhera@shakhera-HP-Notebook-PC: ~/operating
File Edit View Search Terminal Help
class.cl  Documents      hello.java  oper1      Public
cradit1   Downloads      java        operating   Templates
Desktop  examples.desktop Music        Pictures    Videos
shakhera@shakhera-HP-Notebook-PC:~$ cd operating
shakhera@shakhera-HP-Notebook-PC:~/operating$ touch attendance
shakhera@shakhera-HP-Notebook-PC:~/operating$ touch attendance.cl
shakhera@shakhera-HP-Notebook-PC:~/operating$ ls
attendance  attendance.cl
shakhera@shakhera-HP-Notebook-PC:~/operating$ mkdir lab
shakhera@shakhera-HP-Notebook-PC:~/operating$ cd lab
shakhera@shakhera-HP-Notebook-PC:~/operating/lab$ cd..
cd..: command not found
shakhera@shakhera-HP-Notebook-PC:~/operating/lab$ cd..
cd..: command not found
shakhera@shakhera-HP-Notebook-PC:~/operating/lab$ cd ..
shakhera@shakhera-HP-Notebook-PC:~/operating$ rm attendance.cl
shakhera@shakhera-HP-Notebook-PC:~/operating$ ls
attendance  lab
shakhera@shakhera-HP-Notebook-PC:~/operating$ mv c lab
mv: cannot stat 'c': No such file or directory
shakhera@shakhera-HP-Notebook-PC:~/operating$ mv lab c
shakhera@shakhera-HP-Notebook-PC:~/operating$ ls
attendance  c
shakhera@shakhera-HP-Notebook-PC:~/operating$
```

**gedit** : Working with text editors.



The image shows two overlapping windows from a Linux desktop. The background window is a terminal titled 'shakhera@shakhera-HP-Notebook-PC: ~'. It displays the following commands and output:

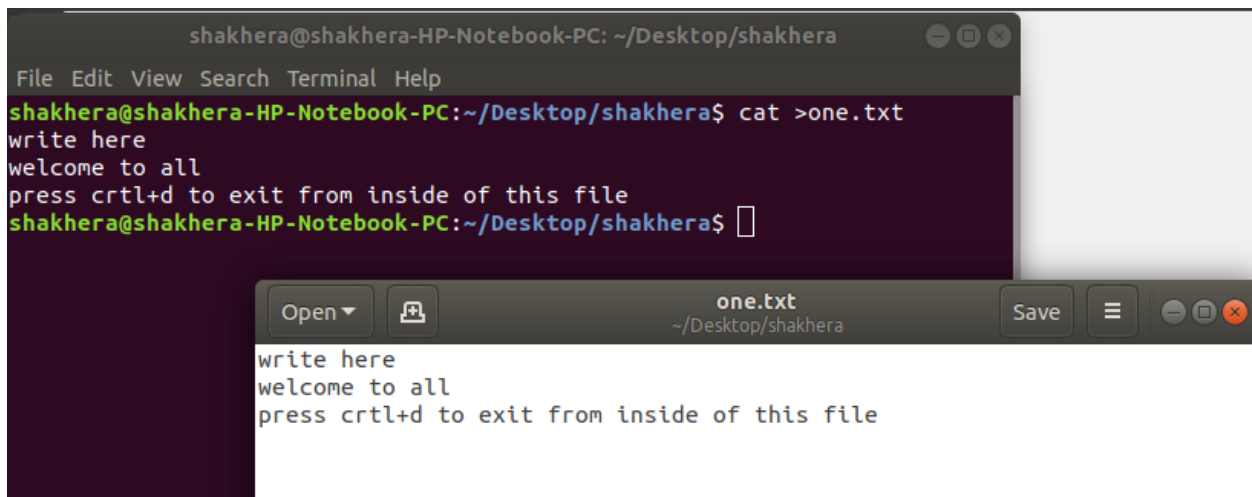
```
shakhera@shakhera-HP-Notebook-PC:~/Desktop$ ls
shakhera  Shakhera  shakira.txt
shakhera@shakhera-HP-Notebook-PC:~/Desktop$ rm -r shakira
rm: cannot remove 'shakira': No such file or directory
shakhera@shakhera-HP-Notebook-PC:~/Desktop$ cd ..
shakhera@shakhera-HP-Notebook-PC:~$ rm -r shakira
rm: cannot remove 'shakira': No such file or directory
shakhera@shakhera-HP-Notebook-PC:~$ ls
dept          ICT          shakhera
Desktop       Music        Templates
Documents     OS           Videos
Downloads     Pictures
examples.desktop Public
shakhera@shakhera-HP-Notebook-PC:~$ gedit
```

The foreground window is the gedit text editor, titled '\*Untitled Document 1'. It contains the following text:

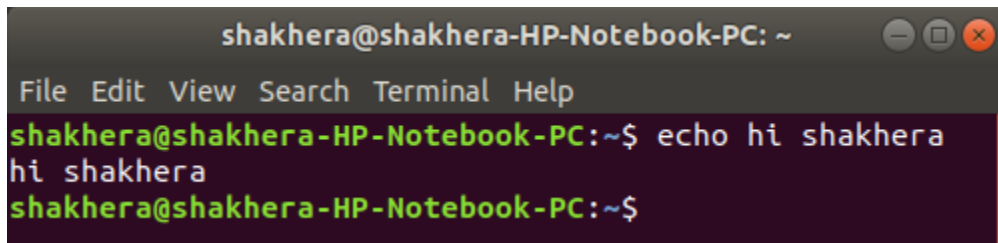
```
hello, i am a shakhera khanom
ID:IT_18033
Course:Operating system|
Dept. of ICT,
MBSTU
```

The bottom status bar of the gedit window shows 'Plain Text' and 'Tab Width'.

**Create a new file**

A screenshot showing a Linux terminal window and a text editor window. The terminal window has a title bar 'shakhera@shakhera-HP-Notebook-PC: ~/Desktop/shakhera' and a menu bar 'File Edit View Search Terminal Help'. The prompt is 'shakhera@shakhera-HP-Notebook-PC:~/Desktop/shakhera\$'. The user has entered 'cat >one.txt' and the file content is displayed: 'write here', 'welcome to all', and 'press ctrl+d to exit from inside of this file'. The prompt is now 'shakhera@shakhera-HP-Notebook-PC:~/Desktop/shakhera\$'. The text editor window has a title bar 'one.txt' and a menu bar 'File Edit View Search Terminal Help'. The content is the same as the terminal output. The prompt is 'shakhera@shakhera-HP-Notebook-PC:~/Desktop/shakhera\$'.

**Echo: show something on terminal.**

A screenshot of a Linux terminal window with a title bar 'shakhera@shakhera-HP-Notebook-PC: ~' and a menu bar 'File Edit View Search Terminal Help'. The prompt is 'shakhera@shakhera-HP-Notebook-PC:~\$'. The user has entered 'echo hi shakhera' and the output 'hi shakhera' is displayed. The prompt is now 'shakhera@shakhera-HP-Notebook-PC:~\$'.

**Discussion:**

This lab helps to learn about basic command of Linux Operating System.