



Lab Report 01

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Section: PC-D

Course Code: CSE 324

Course Title: Operating System Lab

Dept. Of CSE

Submitted to:

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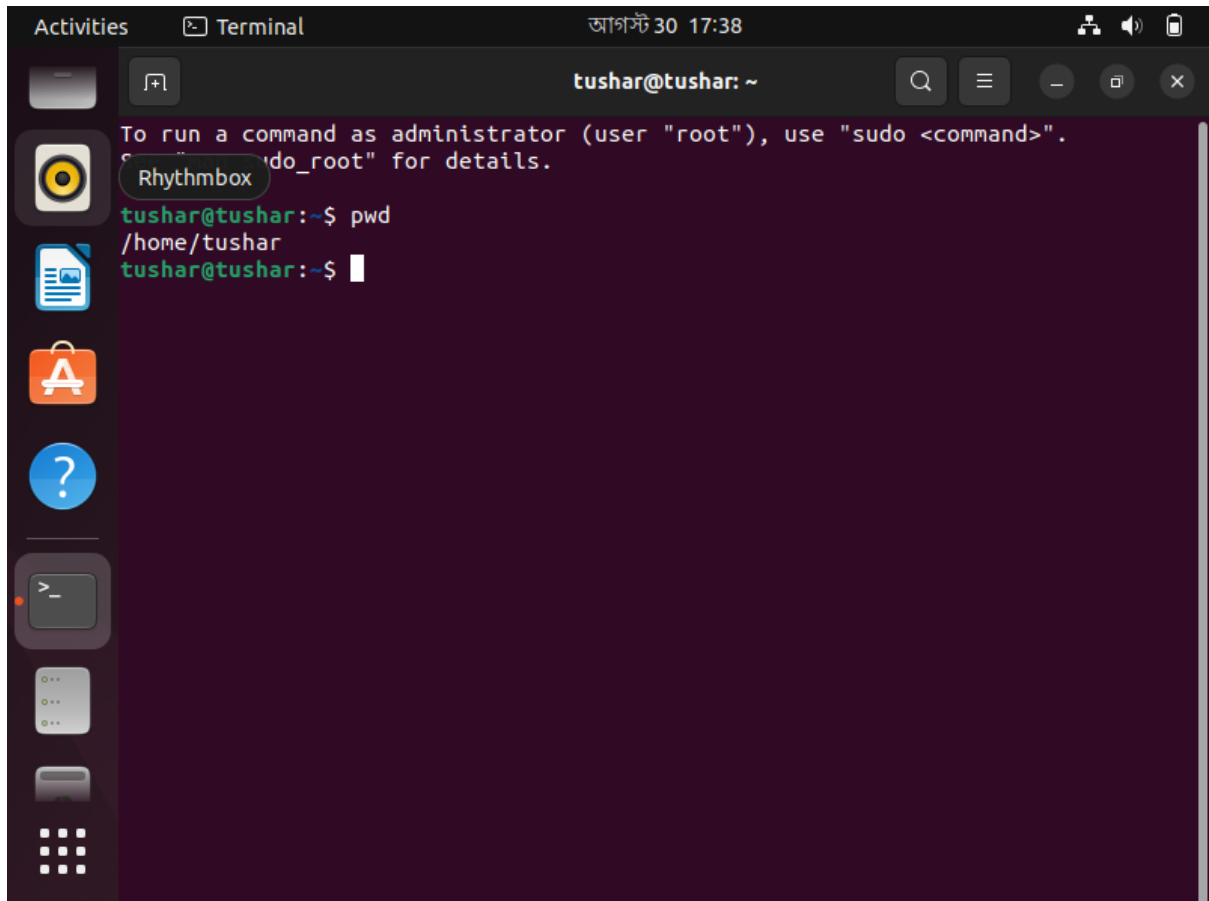
Submitted on 31 August 2022

Experiment Name: Basic Linux Commands on File and Directory management.

Command 1: pwd

Description: The pwd command writes to standard output the full path name of your current directory (from the root directory)

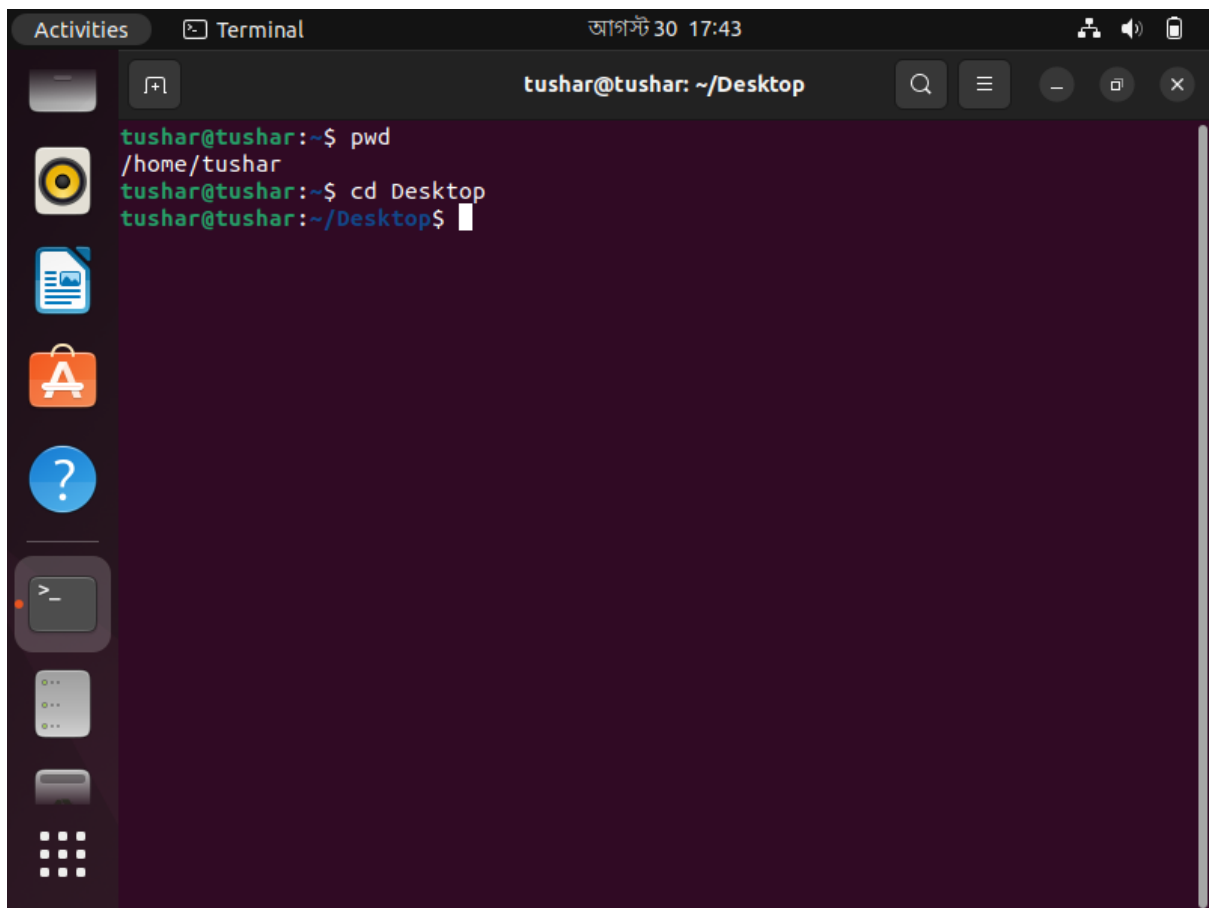
Screen shoot of the command:

A screenshot of a Linux terminal window. The window title is "Terminal" and the system clock shows "আগস্ট 30 17:38". The terminal prompt is "tushar@tushar: ~". A message at the top says: "To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details." Below this, the user has entered the command "pwd" and the terminal has outputted "/home/tushar". The terminal window is part of a desktop environment with a sidebar on the left containing icons for Activities, Rhythmbox, a document, an application store, a help icon, and a terminal icon. The terminal window itself has a search bar, a menu icon, and window control buttons (minimize, maximize, close) in the top right corner.

Command 2: cd

Description: This a command-line shell command used to change the current working directory in various operating systems.

Screen shoot of the command:



The screenshot shows a terminal window titled "Terminal" with the system language set to Bengali. The user is logged in as "tushar" and is currently in the directory "~/Desktop". The terminal history shows the following commands and outputs:

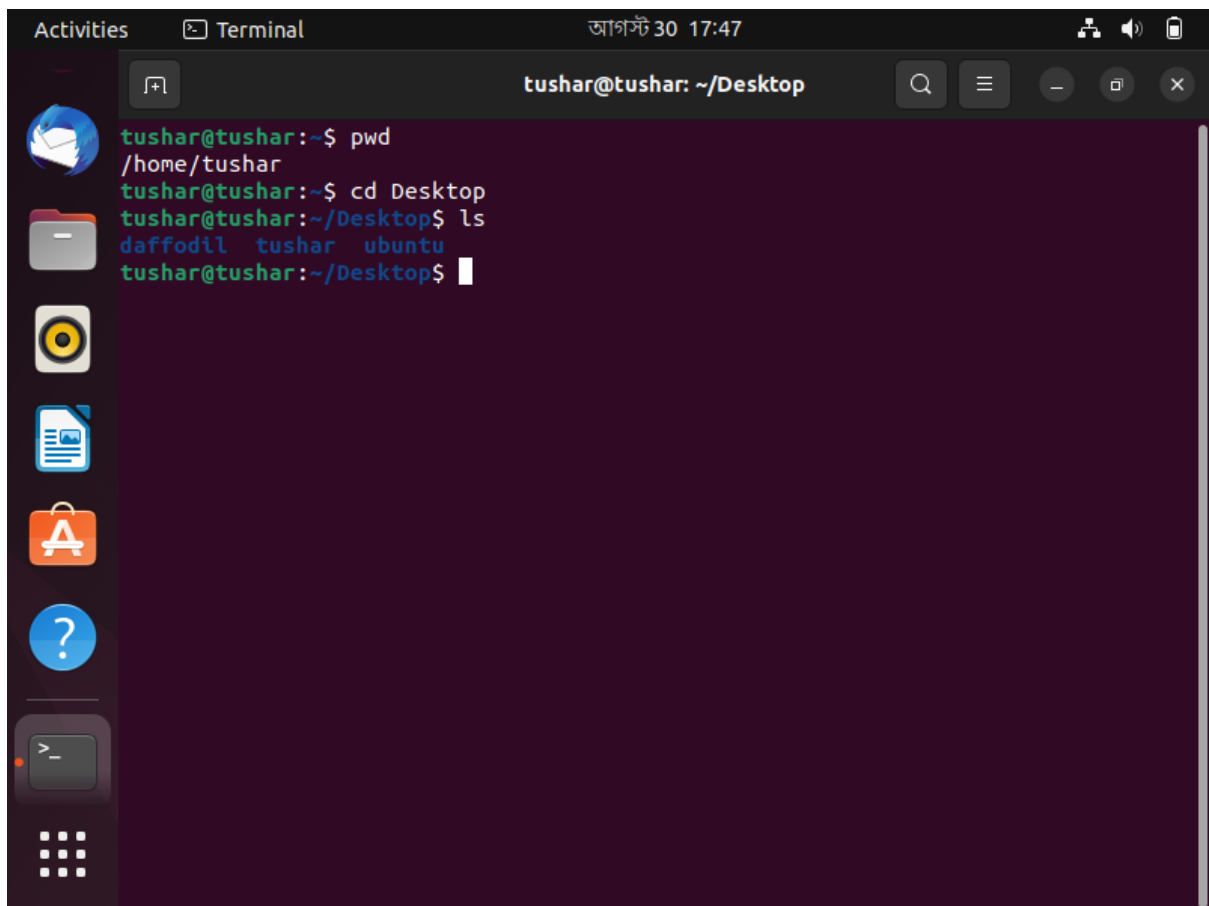
```
tushar@tushar:~$ pwd
/home/tushar
tushar@tushar:~$ cd Desktop
tushar@tushar:~/Desktop$
```

The terminal window has a dark purple background and a sidebar on the left with various application icons. The top bar of the window displays the date and time as "আগস্ট 30 17:43".

Command 3: ls

Description : The ls command is used to list files or directories in Linux and other Unix-based operating systems.

Screen shoot of the command :



The screenshot shows a terminal window titled "Terminal" with the date and time "আগস্ট 30 17:47" in the top right corner. The terminal prompt is "tushar@tushar: ~/Desktop". The user has entered the following commands and received the following output:

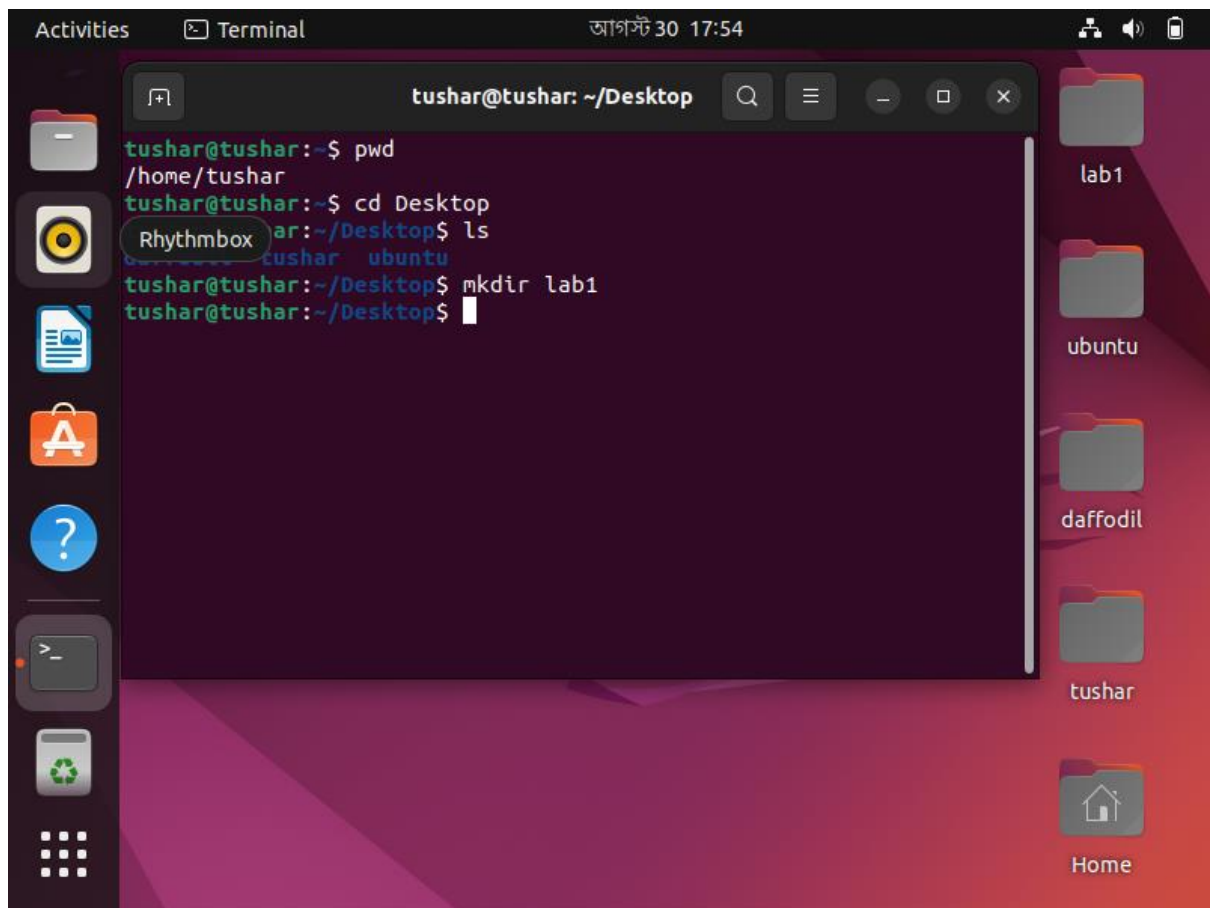
```
tushar@tushar:~$ pwd
/home/tushar
tushar@tushar:~$ cd Desktop
tushar@tushar:~/Desktop$ ls
daffodil  tushar  ubuntu
tushar@tushar:~/Desktop$
```

The terminal window has a dark purple background and a sidebar on the left with various application icons. The top of the window shows the "Activities" button and the "Terminal" title.

Command 3: mkdir

Description of the command: The mkdir command in Linux allows users to create or make new directories.

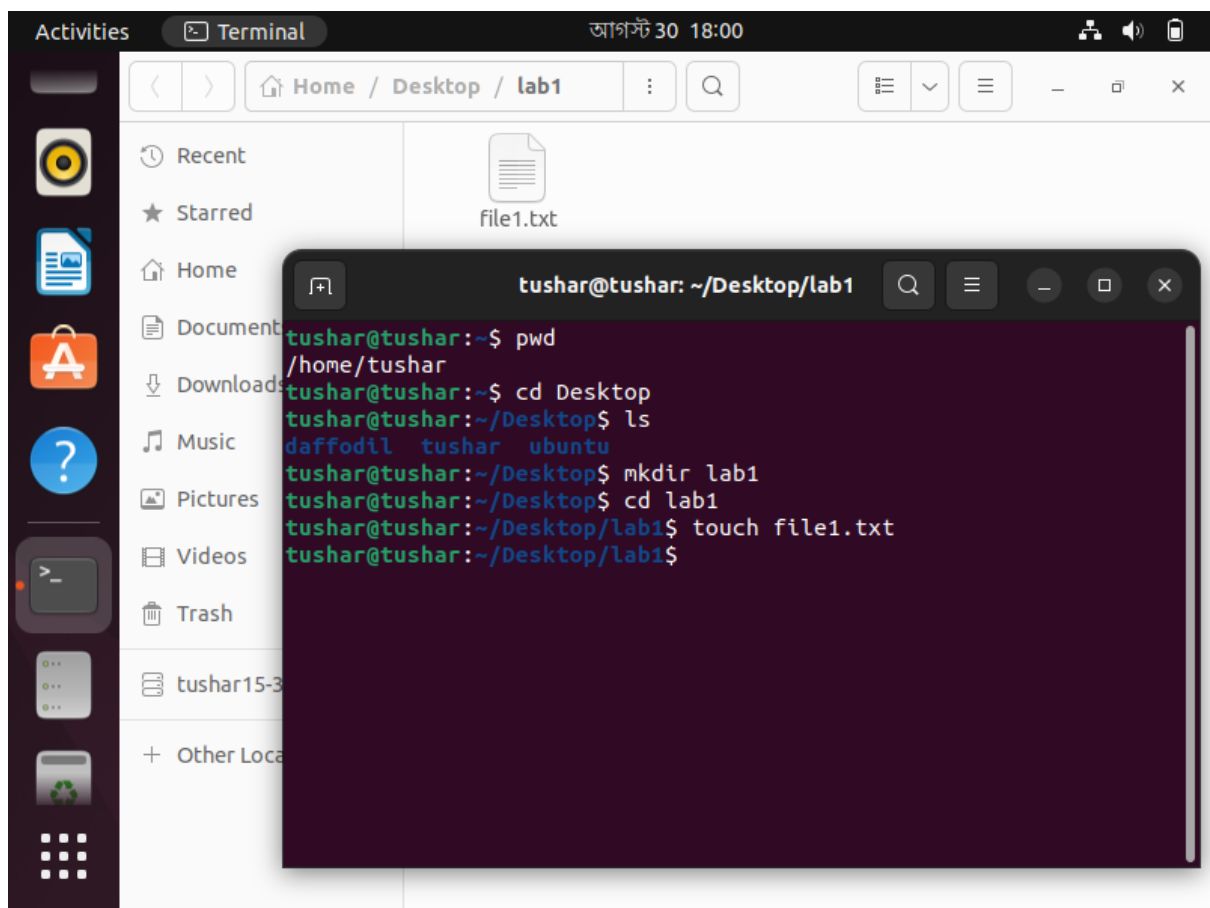
Screen shoot of the command:



Command 3: touch

Description : touch is a popular command in the Linux system that can be used for performing many tasks, rather than just creating an empty file

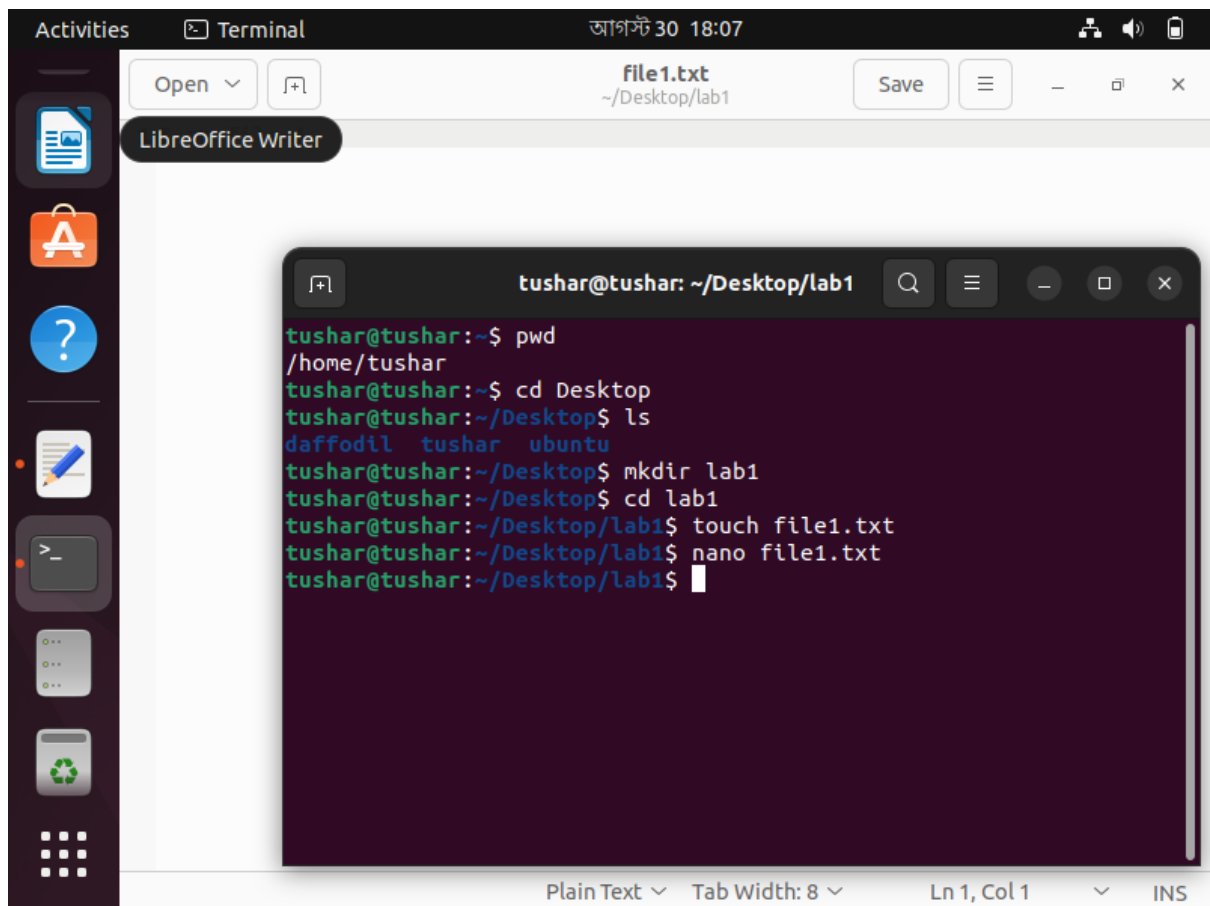
Screen shoot :



Command 4: nano

Description : Nano is an easy to use command line text editor for Unix and Linux operating systems

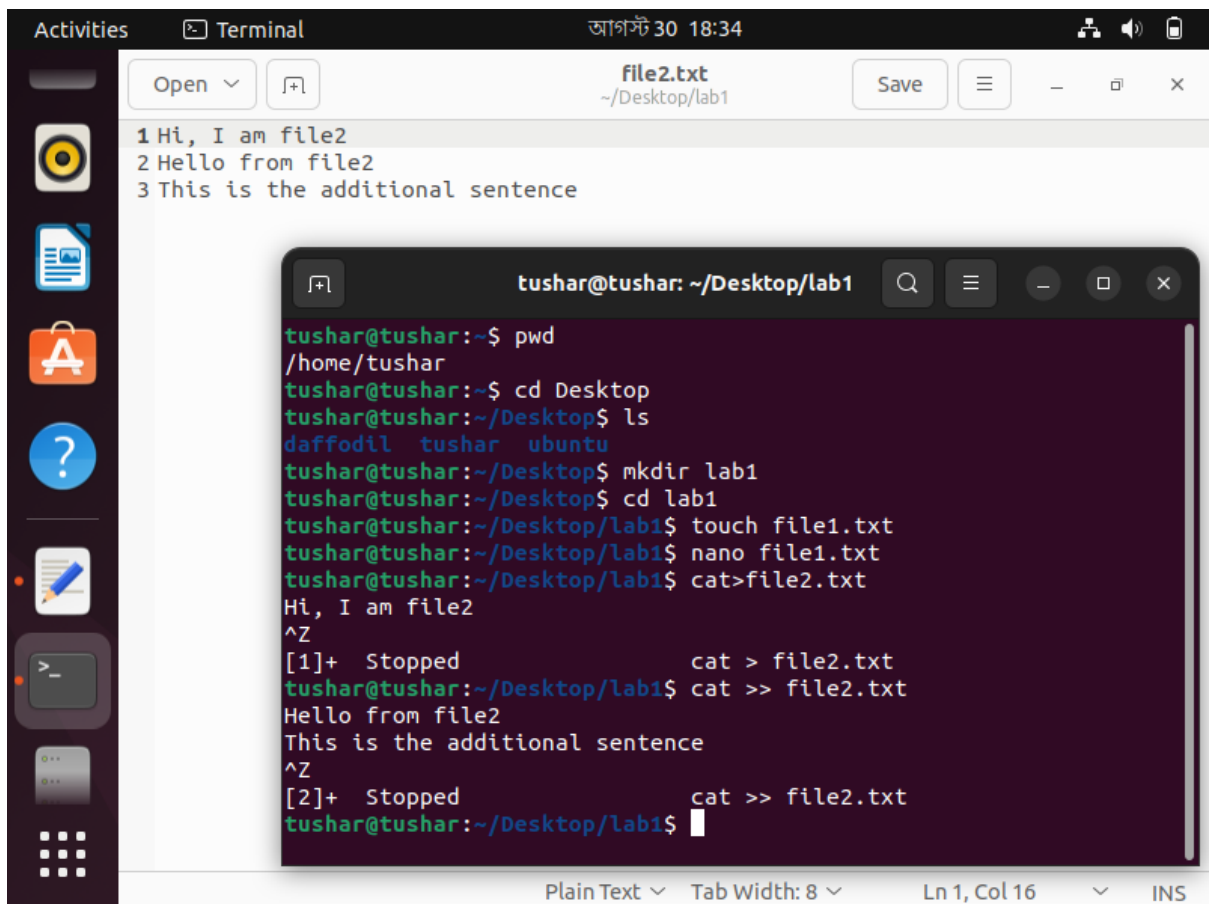
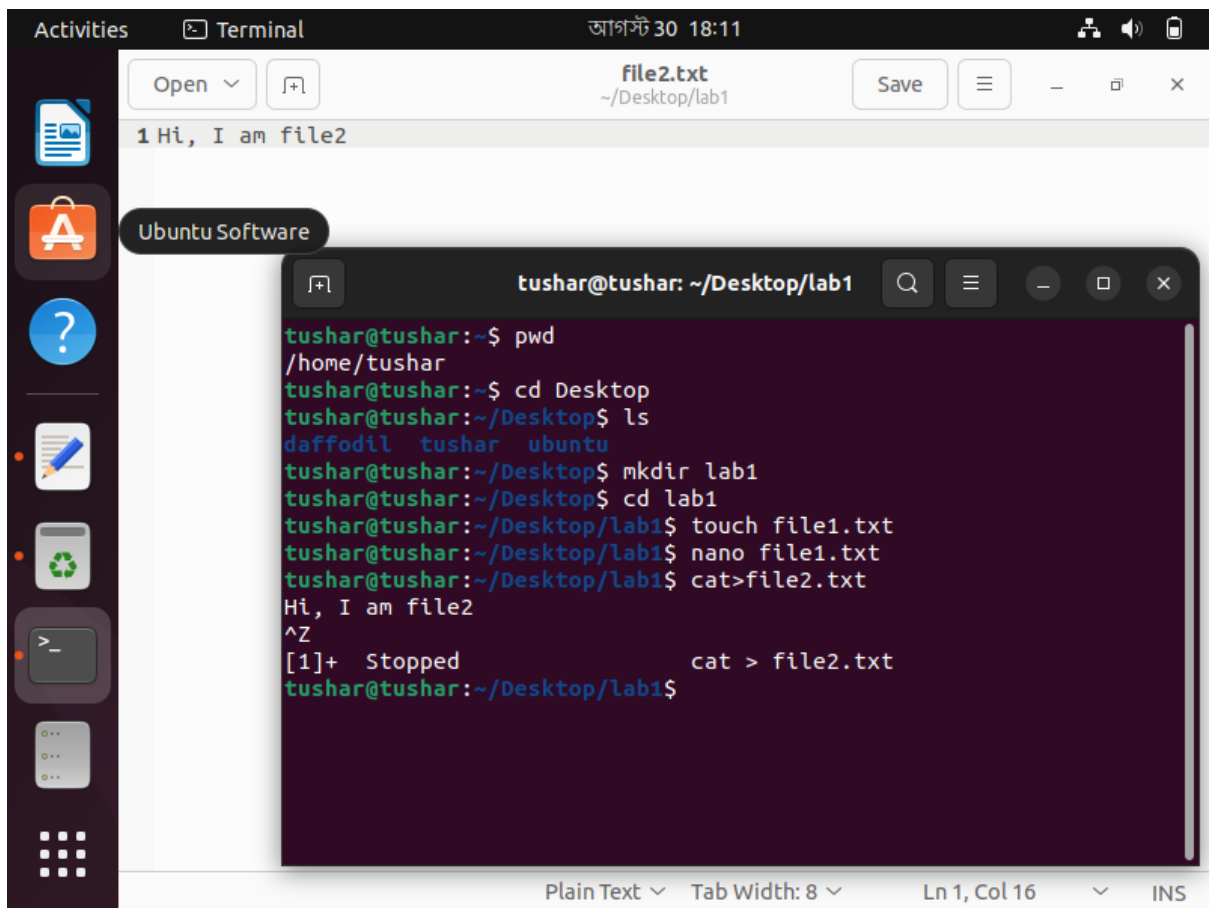
Screen shoot:



Command 5: cat

Description: It allows us to create single or multiple files, view content of a file, concatenate files and redirect output in terminal or files.

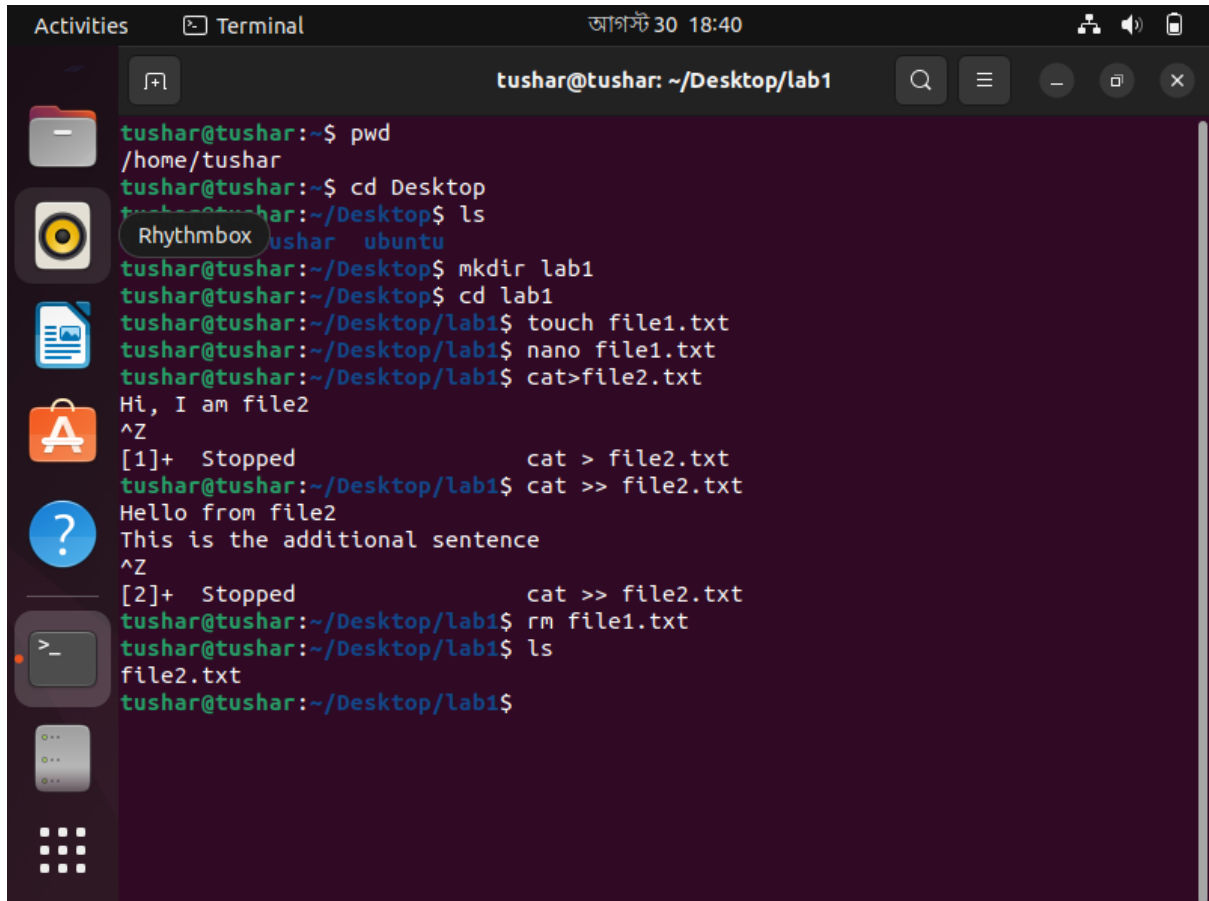
Screen shoot:



Command 6: rm

Description: rm command is used to delete files.

Screen shoot:

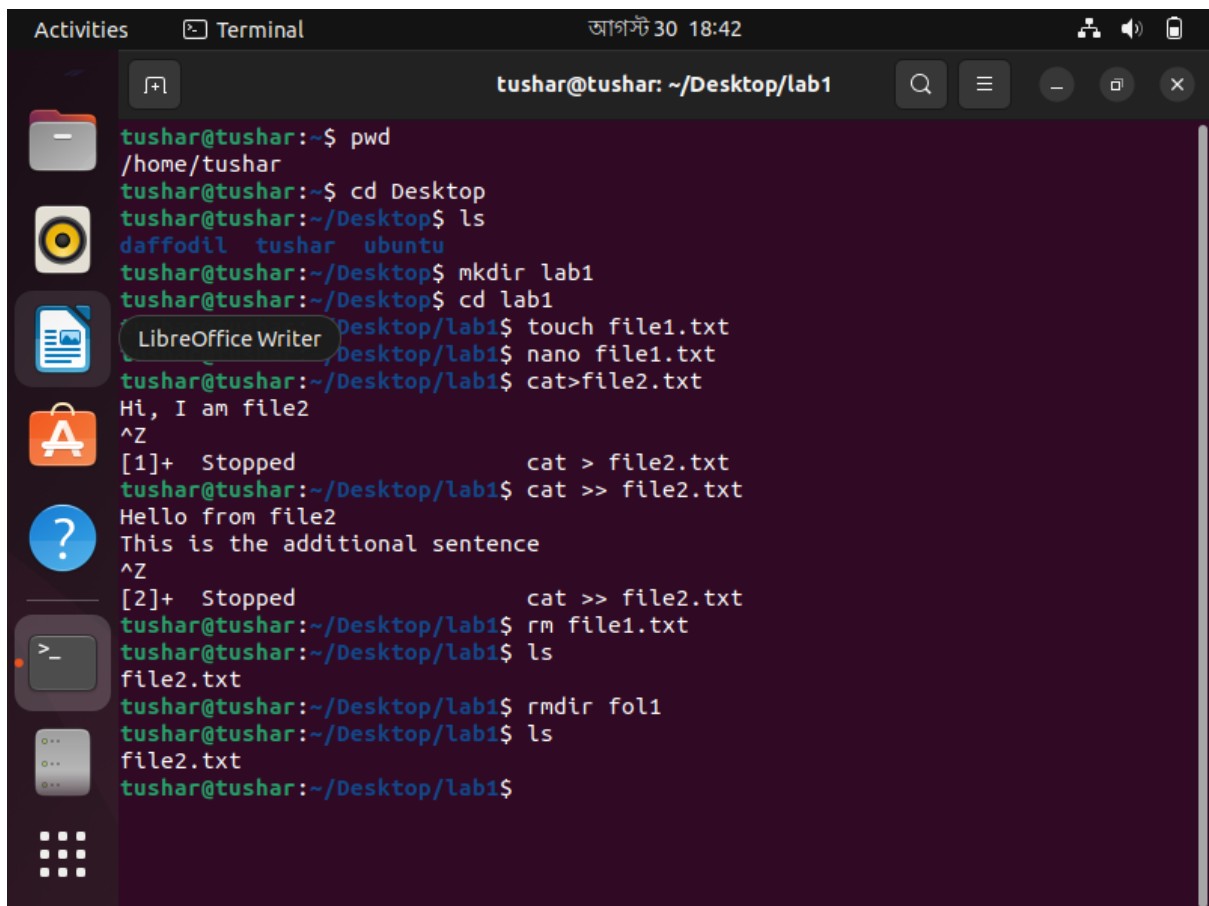
A screenshot of a Linux terminal window. The window title is "Terminal" and the current directory is "~/Desktop/lab1". The user "tushar" is logged in. The terminal shows a series of commands and their outputs:

```
tushar@tushar:~$ pwd
/home/tushar
tushar@tushar:~$ cd Desktop
tushar@tushar:~/Desktop$ ls
tushar@tushar:~/Desktop$ mkdir lab1
tushar@tushar:~/Desktop$ cd lab1
tushar@tushar:~/Desktop/lab1$ touch file1.txt
tushar@tushar:~/Desktop/lab1$ nano file1.txt
tushar@tushar:~/Desktop/lab1$ cat>file2.txt
Hi, I am file2
^Z
[1]+  Stopped                  cat > file2.txt
tushar@tushar:~/Desktop/lab1$ cat >> file2.txt
Hello from file2
This is the additional sentence
^Z
[2]+  Stopped                  cat >> file2.txt
tushar@tushar:~/Desktop/lab1$ rm file1.txt
tushar@tushar:~/Desktop/lab1$ ls
file2.txt
tushar@tushar:~/Desktop/lab1$
```

 The terminal window has a dark background with light-colored text. On the left side, there is a vertical sidebar with icons for various applications like a file manager, music player, and terminal. The top of the window shows the system clock as 18:40 on August 30.

Command 7: rmdir

Description : rmdir command is used to delete folder



The screenshot shows a terminal window titled 'Terminal' with the date and time 'আগস্ট 30 18:42'. The user is logged in as 'tushar' and is currently in the directory '~/Desktop/lab1'. The terminal output shows the following sequence of commands and their results:

```
tushar@tushar:~$ pwd
/home/tushar
tushar@tushar:~$ cd Desktop
tushar@tushar:~/Desktop$ ls
daffodil  tushar  ubuntu
tushar@tushar:~/Desktop$ mkdir lab1
tushar@tushar:~/Desktop$ cd lab1
tushar@tushar:~/Desktop/lab1$ touch file1.txt
tushar@tushar:~/Desktop/lab1$ nano file1.txt
tushar@tushar:~/Desktop/lab1$ cat>file2.txt
Hi, I am file2
^Z
[1]+  Stopped                  cat > file2.txt
tushar@tushar:~/Desktop/lab1$ cat >> file2.txt
Hello from file2
This is the additional sentence
^Z
[2]+  Stopped                  cat >> file2.txt
tushar@tushar:~/Desktop/lab1$ rm file1.txt
tushar@tushar:~/Desktop/lab1$ ls
file2.txt
tushar@tushar:~/Desktop/lab1$ rmdir fol1
tushar@tushar:~/Desktop/lab1$ ls
file2.txt
tushar@tushar:~/Desktop/lab1$
```

Command 8: `cd ../`

Description: one back from the current directories

Screen shoot:

Activities Terminal 30 20:17

tushar@tushar: ~/Desktop

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

tushar@tushar:~\$ cd Desktop

tushar@tushar:~/Desktop\$ ls

daffodil tushar ubuntu

tushar@tushar:~/Desktop\$ cd tushar

tushar@tushar:~/Desktop/tushar\$ ls

break fact firstlast forsum minval prime swap until vow

count fibo for maxval oddeven profit table uplowcheck

tushar@tushar:~/Desktop/tushar\$ cd ../

tushar@tushar:~/Desktop\$ ls

daffodil tushar ubuntu

tushar@tushar:~/Desktop\$