

**Mawlana Bhashani Science and Technology University**

## **Lab-Report**

Report No: 02

Course code: ICT-3110

Course title: Operating Systems Lab

Date of Performance :

Date of Submission : 15/09/2020

### **Submitted by**

Name: Zahid Hasan Chowdhury

ID:IT-18017

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

Session: 2017-2018

Dept. of ICT

### **Submitted to**

Nazrul Islam

Assistant Professor

Dept. of ICT

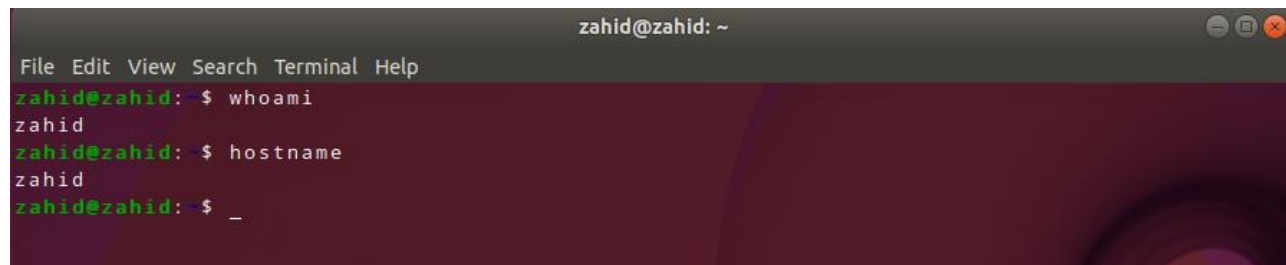
MBSTU

Experiment NO : 02

Experiment Name : Basic Command of Linux Operating

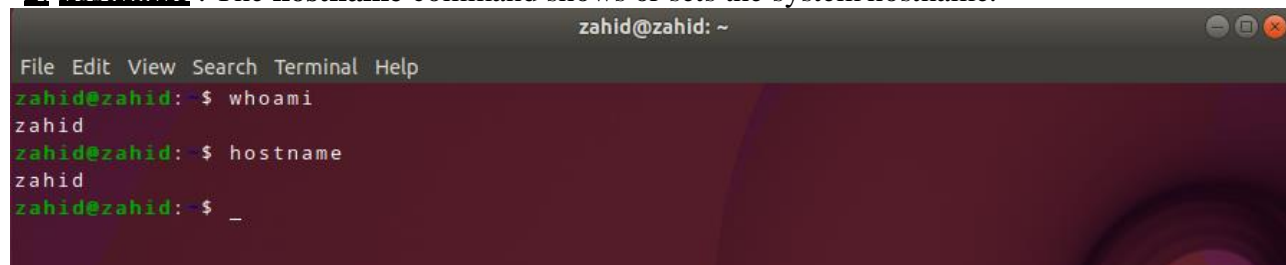
System. Introduction :

**1) whoami** : This command prints the username associated with the current effective user ID.

A terminal window titled 'zahid@zahid: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

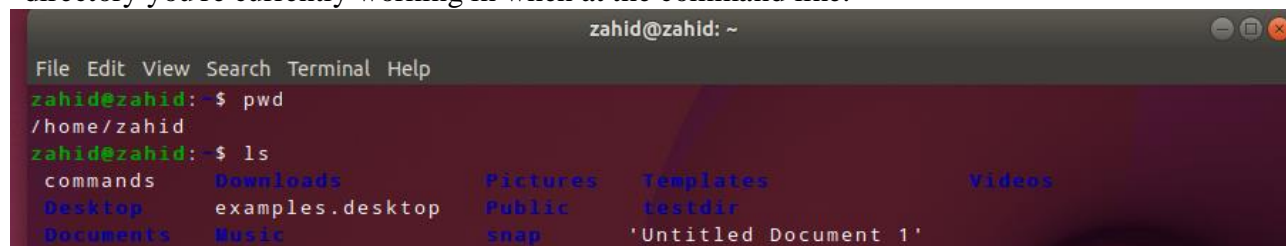
```
zahid@zahid:~$ whoami
zahid
zahid@zahid:~$ hostname
zahid
zahid@zahid:~$ _
```

**2) hostname** : The **hostname** command shows or sets the system hostname.

A terminal window titled 'zahid@zahid: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
zahid@zahid:~$ whoami
zahid
zahid@zahid:~$ hostname
zahid
zahid@zahid:~$ _
```

**3) pwd**: hort for **print working directory**, **pwd** is a Linux, Unix, and FTP command to print the directory you're currently working in when at the command line.

A terminal window titled 'zahid@zahid: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
zahid@zahid:~$ pwd
/home/zahid
zahid@zahid:~$ ls
commands  Downloads  Pictures  Templates  Videos
Desktop   examples.desktop  Public   testdir
Documents Music      snap     'Untitled Document 1'
```

4) **ls** : ls lists the files in the current working folder.

```
zahid@zahid: ~  
File Edit View Search Terminal Help  
zahid@zahid:~$ pwd  
/home/zahid  
zahid@zahid:~$ ls  
commands      Downloads      Pictures      Templates      Videos  
Desktop        examples.desktop  Public        testdir  
Documents      Music          snap          'Untitled Document 1'
```

5) **ls -a**: list all files including hidden file starting with '.'

```
zahid@zahid: ~/Desktop  
File Edit View Search Terminal Help  
zahid@zahid:~$ ls -a  
..      Desktop      Music          .sudo_as_admin_successful  
bash_history  Documents    .mysql_history  Templates  
bash_logout  Downloads    .pam_environment testdir  
bashrc       examples.desktop Pictures        .thunderbird  
cache        .gnupg       .profile        'Untitled Document 1'  
commands     .ICEauthority Public          Videos  
config       .local       snap            .xinputrc  
             .mozilla     .ssh  
zahid@zahid:~$ cd Desktop/  
zahid@zahid:~/Desktop$ _
```

6) **cd**: The **cd** command, which stands for "change directory", changes the shell's current working directory .

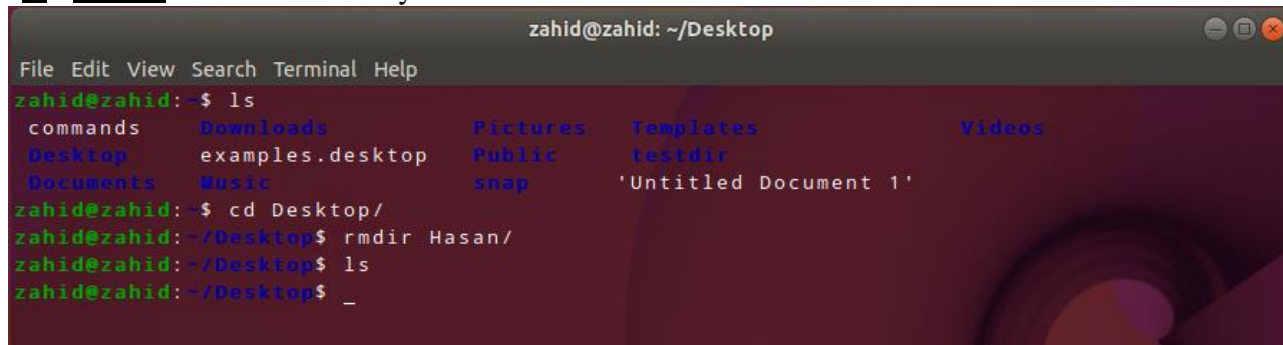
```
zahid@zahid: ~/Desktop  
File Edit View Search Terminal Help  
zahid@zahid:~$ ls -a  
..      Desktop      Music          .sudo_as_admin_successful  
bash_history  Documents    .mysql_history  Templates  
bash_logout  Downloads    .pam_environment testdir  
bashrc       examples.desktop Pictures        .thunderbird  
cache        .gnupg       .profile        'Untitled Document 1'  
commands     .ICEauthority Public          Videos  
config       .local       snap            .xinputrc  
             .mozilla     .ssh  
zahid@zahid:~$ cd Desktop/  
zahid@zahid:~/Desktop$ _
```

**7) mkdir:** The **mkdir** command creates new directories in your file system.

```
zahid@zahid: ~/Desktop
File Edit View Search Terminal Help
zahid@zahid:~$ ls -a
.          Desktop          Music          .sudo_as_admin_successful
..         Documents         .mysql_history Templates
.bash_history Downloads       .pam_environment testdir
.bash_logout examples.desktop Pictures        .thunderbird
.bashrc    .gnupg         .profile      'Untitled Document 1'
.cache     .ICEauthority  Public        Videos
commands  .local        snap         .xinputrc
.config   .mozilla      .ssh

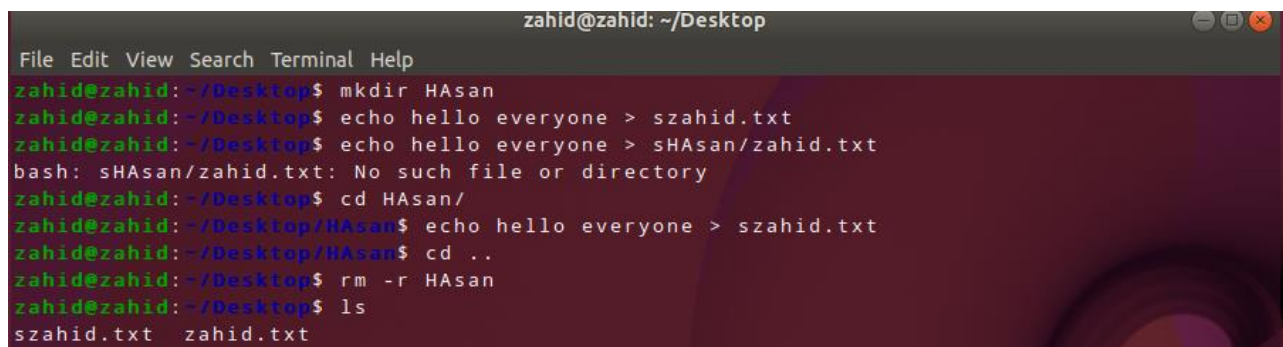
zahid@zahid:~$ cd Desktop/
zahid@zahid:~/Desktop$ mkdir Hasan
zahid@zahid:~/Desktop$ ls
Hasan
zahid@zahid:~/Desktop$ _
```

8) **rmdir**: remove a directory.



```
zahid@zahid: ~/Desktop
File Edit View Search Terminal Help
zahid@zahid:~$ ls
commands  Downloads      Pictures      Templates      Videos
Desktop   examples.desktop Public        testdir
Documents Music          snap         'Untitled Document 1'
zahid@zahid:~$ cd Desktop/
zahid@zahid:~/Desktop$ rmdir Hasan/
zahid@zahid:~/Desktop$ ls
zahid@zahid:~/Desktop$ _
```

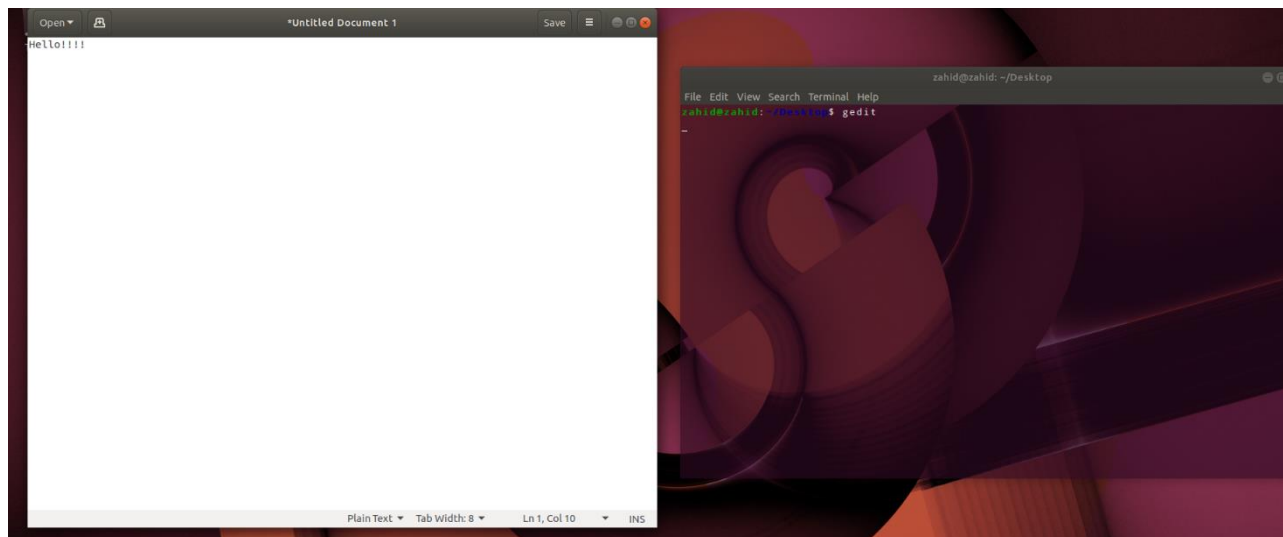
9) **rm -r**: remove directory with its content.



```
zahid@zahid: ~/Desktop
File Edit View Search Terminal Help
zahid@zahid:~/Desktop$ mkdir Hasan
zahid@zahid:~/Desktop$ echo hello everyone > szahid.txt
zahid@zahid:~/Desktop$ echo hello everyone > sHasan/zahid.txt
bash: sHasan/zahid.txt: No such file or directory
zahid@zahid:~/Desktop$ cd Hasan/
zahid@zahid:~/Desktop/Hasan$ echo hello everyone > szahid.txt
zahid@zahid:~/Desktop/Hasan$ cd ..
zahid@zahid:~/Desktop$ rm -r Hasan
zahid@zahid:~/Desktop$ ls
szahid.txt  zahid.txt
```

10) **gedit**: Working with text editors:

\$ gedit ---> its an editor



**11) cat:** creates new file.

```
File Edit View Search Terminal Help
zahid@zahid: ~/Desktop$ cat zahid.txt
welcome everyone
zahid@zahid: ~/Desktop$ echo I am a ..
I am a ..
zahid@zahid: ~/Desktop$ _
```

**12) echo:** show something on the terminal.

```
File Edit View Search Terminal Help
zahid@zahid: ~/Desktop$ cat zahid.txt
welcome everyone
zahid@zahid: ~/Desktop$ echo I am a ..
I am a ..
zahid@zahid: ~/Desktop$ _
```

**13) sudo:** sudo (**S**uper **U**ser **D**O) command in Linux is generally used as a prefix of some command that only superuser are allowed to run.

```
File Edit View Search Terminal Help
zahid@zahid: ~$ sudo apt -get update
[sudo] password for zahid:
E: Command line option 'g' [from -get] is not understood in combination with the other options.
zahid@zahid: ~$ sudo apt get update
E: Invalid operation get
zahid@zahid: ~$ sudo apt-get update
Hit:1 http://dl.google.com/linux/chrome/deb stable InRelease
Get:2 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Hit:3 http://bd.archive.ubuntu.com/ubuntu bionic InRelease
Get:4 http://bd.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:5 http://bd.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Fetched 252 kB in 3s (101 kB/s)
Reading package lists... Done
```