**BASIC COMMANDS**

**Experiment:** 1

**Aim:** Understand basic commands

• **IPCONFIG COMMAND**

To see the IP address

Syntax: ipconfig

• **PING COMMAND**

To see the existing the IP

Syntax: ping 192.168.87.1

• **TO UPDATE**

Sudo apt update

• **TO INSTALL**

Sudo apt install openSSH.server

• **TO PRINT THE SSH SERVER STATUS**

Sudo systemctl status ssh

• **TO EDIT SETTINGS**

Sudo nano /etc/ssh/sshd-config

• **TO RESTART**

Suso service ssh restart

• **TO TEST**

ssh localhost

• **UPTIME COMMAND**

In Linux uptime command shows since how long your system is running and the

number of users are currently logged in and also displays load average for 1,5- and 15-

minutes intervals.

Syntax: uptime

• **W COMMAND**

It will display users currently logged in and their process along-with shows load

averages. Also shows the login name, tty name, remote host, login time, idle time,

JCPU, PCPU, command and processes.

Syntax: w

• **USERS COMMAND**

Users command displays currently logged in users. This command don’t have other

parameters other than help and version.

Syntax: users

• **WHO COMMAND**

who command simply return user name, date, time and host information who

command is similar to w command. Unlike w command who doesn’t print what users

are doing. Let’s illustrate and see the different between who and w commands.

Syntax: who

• **WHOAMI COMMAND**

whoami command print the name of current user. You can also use “who am i”

command to display the current user. If you are logged in as a root using sudo

command “whoami” command return root as current user. Use “who am i” command

if you want to know the exact user logged in.

Syntax: whoami

• **LS COMMAND**

ls command display list of files in human readable format.

Syntax: ls -l

• **CRONTAB COMMAND**

List schedule jobs for current user with crontab command and -l option.

Syntax: crontab -l

• **LESS COMMAND**

less command allows quickly view file. You can page up and down. Press ‘q‘ to quit

from less window.

Syntax: less install.log

• **MORE COMMAND**

more command allows quickly view file and shows details in percentage. You can page

up and down. Press ‘q ‘to quit out from more window.

Syntax: more install.log

• **CP COMMAND**

Copy file from source to destination preserving same mode.

Syntax: cp -p fileA fileB

• **MV COMMAND**

Rename fileA to fileB. -i options prompt before overwrite. Ask for confirmation if exist

already.

Syntax: mv -i fileA fileB

• **CAT COMMAND**

cat command used to view multiple file at the same time.

Syntax: cat fileA fileB

• **CD COMMAND (CHANGE DIRECTORY)**

with cd command (change directory) it will goes to fileA directory.

Syntax: cd /fileA

**Result:**

All the commands have been executed and the output has been obtained successfully.