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.