**LINUX COMMANDS**

Ls – list all files and directories

AMDRM\_Install.log

AppData/

'Application Data'@

Athletica/

Contacts/

Cookies@

Desktop/

Documents/

Downloads/

Favorites/

Links/

'Local Settings'@

Music/

'My Documents'@

NTUSER.DAT

NTUSER.DAT{c7b0cb60-0ac0-11ee-adbb-be0a6843c8cc}.TM.blf

NTUSER.DAT{c7b0cb60-0ac0-11ee-adbb-be0a6843c8cc}.TMContainer00000000000000000001.regtrans-ms

NTUSER.DAT{c7b0cb60-0ac0-11ee-adbb-be0a6843c8cc}.TMContainer00000000000000000002.regtrans-ms

NetHood@

OneDrive/

Pictures/

PrintHood@

Recent@

'Saved Games'/

Searches/

SendTo@

'Start Menu'@

Templates@

Videos/

WindowsPowerShell/

anaconda3/

ansel/

battery-report.html

bicycle-world-ii/

curseforge/

hello.txt

meal-regimen.txt

mf

mintty.2024-09-04\_12-00-37.png

mintty.2024-09-04\_12-00-42.png

mintty.2024-09-04\_13-04-27.png

my\_backup.sql

mybackup.sql

ntuser.dat.LOG1

ntuser.dat.LOG2

ntuser.ini

pdf\_storage.db

testing/

venv/

2.Pwd – present working dir

/c/Users/ahmed/testing

3. cd testing – current dir

4. mkdir newfolder – make directory

5. cp <source> <destination> - to copy n paste to replace existing content

6. mv – to cut and paste to an existing file or rename

7. rm – remove command

Rm – to delete files

Rm – r to delete directories

8.touch filename

To create a file

9.ln command – link

(soft link)

ls

~new/ new-link.txt new.txt

ln -s new new-link

ls

~new/ new-link/ new-link.txt new.txt

ls -l

~total 2

drwxr-xr-x 1 ahmed 197121 0 Sep 11 13:32 new/

drwxr-xr-x 1 ahmed 197121 0 Sep 11 13:33 new-link/

-rw-r--r-- 1 ahmed 197121 29 Sep 11 13:30 new-link.txt

-rw-r--r-- 1 ahmed 197121 29 Sep 11 13:30 new.txt

(hard link)

$ touch list.txt

$ nano list.txt

$ ls

list.txt new/ new-link/ new-link.txt new.txt

$ ln list.txt list-link.txt

$ ls

list-link.txt list.txt new/ new-link/ new-link.txt new.txt

$ nano list.txt

$ cat list-link.txt

hi hi hi

hello

10.clear command

Clear all commands

11.cat command – display contents of a file

$cat newfile.txt

Hello

12.echo command – text to print on terminal

$echo “hello world”

hello world

13. less command – show scrollable output

$any command | less

Show output in scrollable format

-s (without horizontal scrolling)

-N(display number of lines)

14.man command

$man ls

NAME

User Commands

LS(1)

ls - list directory contents

SYNOPSIS

ls [OPTION] ... [FILE] ...

DESCRIPTION

List information about the FILEs (the current directory by default).

Sort entries alphabetically if none of -cftuvsux nor -- sort is spect-

fied.

Mandatory arguments to long options are mandatory for short options

too.

-a, -- all

do not ignore entries starting with .

-A, -- almost-all

do not list implied . and ..

-- author

with -l, print the author of each file

-b, -- escape

print C-style escapes for nongraphic characters

-- block-size=SIZE

with -1, scale sizes by SIZE when printing them; e.g.,

' -- block-size=M'; see SIZE format below

-B, -- ignore-backups

do not list implied entries ending with ~

15. uname

$ uname

MINGW64\_NT-10.0-22631

$ uname -a (all details)

MINGW64\_NT-10.0-22631 Ahmed-Mustafa 3.4.7-ea781829.x86\_64 2023-07-05 12:05 UTC x86\_64 Msys

16.whoami (user’s name)

$ whoami

ahmed

17.chmod(change mode of file)

Read -r

Write -w

Execute -x

$chmod -r new.txt

18.ps - you can take a look at the processes your current shell session is running. It prints useful information about the programs you’re running, like process ID, TTY (TeleTYpewriter), time, and command name.

$ps

PID PPID PGID WINPID TTY UID STIME COMMAND

1989 1950 1989 12156 pty0 197609 14:41:08 /usr/bin/ps

1949 1 1949 5800 ? 197609 14:39:17 /usr/bin/mintty

1950 1949 1950 12500 pty0 197609 14:39:17 /usr/bin/bash

19.ping – network utility used to test network connectivity

$ ping google.com

Pinging google.com [142.251.42.46] with 32 bytes of data:

Reply from 142.251.42.46: bytes=32 time=63ms TTL=60

Reply from 142.251.42.46: bytes=32 time=85ms TTL=60

Request timed out.

Reply from 142.251.42.46: bytes=32 time=2321ms TTL=60

Ping statistics for 142.251.42.46:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 63ms, Maximum = 2321ms, Average = 823ms

20. vim command

$vim- edit plain text files using efficient keybindings

21.history

Display all commands executed so far

$history

22.which command

Full path of shell commands

$ which python

/c/Users/ahmed/venv/python

23.shred – makes a file inaccessible

$shred new.txt

24.tail/head

Get first or last 10 lines. Or you can specify number

$tail try.txt or tail -n 4 try.txt

$head try.txt or head -n 4 try.txt

25.wc – word count

Lines words bytes

$wc try.txt

$wc -w try.txt

26.uname – operating system info

$uname

$uname -a

27.wget [any link] to download from a link