

4. How to find out a word in a file?
5. What are wildcards?

Student Work Area

Algorithm/Flowchart/Code/Sample Outputs/Question Bank Solutions

The pwd COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~  
$ pwd  
/home/Lenovo
```

The mkdir COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~  
$ mkdir diskalpha
```

The rmdir COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~  
$ rmdir diskalpha
```

The ls COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~  
$ ls diskalpha  
ls: cannot access 'diskalpha': No such file or directory  
  
Lenovo@DESKTOP-N48T0C5 ~  
$ ls  
Class JB MovePractice Sixteenth rag work.sh
```

The cd COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~  
$ cd JB  
  
Lenovo@DESKTOP-N48T0C5 ~/JB  
$
```

The touch COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/JB  
$ touch filealpha filebeta  
  
Lenovo@DESKTOP-N48T0C5 ~/JB  
$ ls  
GhostRider filealpha filebeta
```

The cat COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/JB  
$ Cat > filegamma  
  
Lenovo@DESKTOP-N48T0C5 ~/JB  
$ ls  
GhostRider filealpha filebeta filegamma
```

The rm COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/JB  
$ rm filegamma  
  
Lenovo@DESKTOP-N48T0C5 ~/JB  
$ ls  
GhostRider filealpha filebeta
```

The ping COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/JB  
$ ping www.google.com  
  
Pinging www.google.com [2404:6800:4002:813::2004] with 32 bytes of data:  
Reply from 2404:6800:4002:813::2004: time=13ms  
Reply from 2404:6800:4002:813::2004: time=7ms  
Reply from 2404:6800:4002:813::2004: time=5ms  
Reply from 2404:6800:4002:813::2004: time=8ms  
  
Ping statistics for 2404:6800:4002:813::2004:  
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 5ms, Maximum = 13ms, Average = 8ms
```

The grep COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/JB  
$ grep -c pattern filledfile.txt  
0
```

The mv COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~  
$ cd rag  
  
Lenovo@DESKTOP-N48T0C5 ~/rag  
$ ls  
filerag  
  
Lenovo@DESKTOP-N48T0C5 ~/rag  
$ mv filerag filerag.txt  
  
Lenovo@DESKTOP-N48T0C5 ~/rag  
$ ls  
filerag.txt
```

The cmp COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/rag  
$ cmp filerag.txt filesiya.txt  
filerag.txt filesiya.txt differ: char 1, line 1
```

The cp COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/rag  
$ cp filesiya.txt filerag.txt  
  
Lenovo@DESKTOP-N48T0C5 ~/rag  
$ cat filerag.txt  
Bruce Wayne's wife is Selina Skyle
```

The bc COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/rag
$ bc -i filesiya.txt
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software
Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type `warranty'.
filesiya.txt 1: syntax error
filesiya.txt 1: illegal character: '
12+5
17
98+09
107
```

The echo COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/rag
$ echo "Love is a question better left unanswered"
Love is a question better left unanswered
```

The paste COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/rag
$ paste filerag.txt filesiya.txt
Bruce Wayne's wife is Selina Skyle      Bruce Wayne's wife is Selina Skyle
```

The wc COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/rag
$ wc -w filesiya.txt
6 filesiya.txt
```

The cal COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/rag
$ cal
September 2024
Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7
 8  9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30
```

The tty COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/rag
$ tty
/dev/pty0
```

The banner (figlet) COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~
$ figlet "Hi"

 _ _ _ _ _
|_|_|_|_|_|
|_|_|_|_|_|
|_|_|_|_|_|
|_|_|_|_|_|
```

The date COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~
$ date
Thu Sep  5 14:54:31 IST 2024
```

The who COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~
$ who
```

The chmod COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~
$ cd JB

Lenovo@DESKTOP-N48T0C5 ~/JB
$ ls
GhostRider  filealpha  filebeta  filledfile.txt

Lenovo@DESKTOP-N48T0C5 ~/JB
$ chmod 6644 GhostRider
```

The uname COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/JB
$ uname
CYGWIN_NT-10.0-22631
```

The ps COMMAND

```
Lenovo@DESKTOP-N48T0C5 ~/JB
$ ps
```

PID	PPID	PGID	WINPID	TTY	UID	STIME	COMMAND
321	320	321	15072	pty0	197609	14:52:57	/usr/bin/bash
320	1	320	19496	?	197609	14:52:57	/usr/bin/mintty
332	321	332	4824	pty0	197609	14:56:59	/usr/bin/ps

Answer – 1: using ls command

Answer – 2: Linux is an open-source operating system.

Answer – 3: using rmdir command

Answer – 4: using grep

Answer – 5: Wildcards are special characters used to match patterns in file names or strings.
Common wildcards include:

- * (matches any characters)
- ? (matches a single character)
- [] (matches characters within brackets)

Example: ls *.txt lists all files ending with ".txt"