

<u>Problem Statement</u>	<u>Command</u>	<u>Output</u>
<u>Day 1</u>		
Lists the contents of the current directory.	ls	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test\$ ls na.txt 'no doc.txt' test.txt test1</pre>
Changes the current working directory.	cd	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test\$ cd test1/ rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ </pre>
Displays the current working directory.	pwd	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ pwd /mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1</pre>
Creates a new directory.	mkdir	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ mkdir test2; ls copy2.txt test1 test2</pre>
Delete a file.	rm	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ rm test1; ls copy2.txt test2</pre>
Deletes an empty directory.	rmdir	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ rmdir test2; ls copy2.txt</pre>
Copies a file or directory.	cp	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ cp copy2.txt text.txt; ls copy2.txt text.txt</pre>
Moves or renames a file or directory.	mv	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ mv copy2.txt copy.txt; ls copy.txt text.txt</pre>
Displays the contents of a file.	cat	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ cat copy.txt Hello world</pre>

Searches for a pattern in a file.	grep	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ grep "Hello" copy.txt Hello world</pre>
Changes the permissions of a file or directory.	chmod	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ sudo chmod 444 copy.txt; rm copy.txt rm: remove write-protected regular file 'copy.txt'?</pre>
Runs a command with administrative privileges.	sudo	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ sudo ls text.txt</pre>
Installs, updates or removes packages.	apt	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ sudo apt list --upgradable Listing... Done</pre>
Display the manual page for a command.	man	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ man gerp No manual entry for gerp</pre>
Test network connectivity.	ping	<pre>rishi@LAPTOP-JFF2BPKB:/mnt/c/Users/RAJARSHI DATTA/OneDrive/Desktop/Test/test1\$ ping google.com PING google.com (142.250.192.14) 56(84) bytes of data. 64 bytes from bom12s14-in-f14.1e100.net (142.250.192.14): icmp_seq=1 ttl=111 time=57.2 ms</pre>
<u>Day 2</u>		
Creation of file.	cat	<pre>[❶] > /mnt/c/Users/Arijit/Desktop/OS ✓ cat > file.txt</pre>
Viewing a file.	cat	<pre>[❶] > /mnt/c/Users/Arijit/Desktop/OS ✓ cat file1.txt Hello I am Arijit. I am form Bankura.</pre>
Concatenate files.	cat	

Search a particular word in the file.	gerp	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS ✓ cat file file.txt >> file2.txt ❏ > /mnt/c/Users/Arijit/Desktop/OS ✓ cat file2.txt Lorem Ipsum Hello World.</pre>
Create a blank file.	touch	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS 1 ✗ grep Arijit file1.txt Hello I am Arijit.</pre>
Remove the file.	rm	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS ✓ rm file</pre>
Copy the file.	cp	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS ✓ cp file1.txt file.txt</pre>
Rename the file.	mv	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS ✓ mv file1.txt newfile.txt</pre>

Display 10 lines from the head.	head	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS 1 x [head newfile.txt Hello I am Arijit. I am form Bankura. I love computer science. I have to add some texts in this file. Arijit is a nice name I guess. Now I am doing MCA form MAKAUT Hello I am Arijit. I am form Bankura. I love computer science. I have to add some texts in this file.</pre>
Count the number of lines in a file.	wc -l	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS ✓ [wc -l newfile.txt 77 newfile.txt</pre>
Count the words in a file.	wc -w	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS ✓ [wc -w newfile.txt 512 newfile.txt</pre>
Count the character in a file.	wc -c	<pre>❏ > /mnt/c/Users/Arijit/Desktop/OS ✓ [wc -c newfile.txt 2447 newfile.txt</pre>

Display the permission of a file or directory.	ls -al	<pre> > /mnt/c/Users/Arijit/Desktop/OS ls -al total 8 drwxrwxrwx 1 arijit arijit 512 Mar 13 22:09 . drwxrwxrwx 1 arijit arijit 512 Mar 13 20:00 .. -rwxrwxrwx 1 arijit arijit 2447 Mar 13 22:08 file.txt -rwxrwxrwx 1 arijit arijit 25 Mar 13 22:02 file2.txt -rwxrwxrwx 1 arijit arijit 2447 Mar 13 20:36 newfile.txt </pre>
Change the permission of a file or directory.	chmod	<pre> ~/Arijit ./file1.sh zsh: permission denied: ./file1.sh ~/Arijit chmod +x file1.sh ~/Arijit ./file1.sh Arijit </pre>