	Command	Comments or examples	
1	pwd		Show current directory
2	cd	**cd .** #current directory **cd ..** #navigate to the parent directory of the current directory	Change the directory to a different location
3	ls	**ls -l** #use a long listing format **ls -t** #sort by time, newest first **ls -r** #reverse order while sorting	list the contents of the current directory
4	mkdir	**mkdir <directory>**	create a new directory
5	touch	**touch <filename>**	create a new file
6	rm	**rm <filename>** #delete a file **rm -r <directory>** #delete a directory	remove a file or directory
7	cp	**cp <filename> <target_dir>** #copy file to a new directory **cp <filename> <new_filename>** # make a copy of file **cp -r <directory> <target_dir>** # copy directory	Copy a file or a directory
8	mv	**mv <file1> ... <fileN> <directory>...<directoryN> <target_dir>** #move everything to target directory	Move or rename a file or directory
9	echo	**echo "Hello World"**	print text to the terminal
10	cat	**cat <filename>**	Concatenate and print the contents of a file
11	grep	**grep "<filename>" -e "<pattern>"** #search for lines with a specific pattern in a file **grep -r "<directory>" -e "<pattern>"** #search for lines with a specific pattern in a directory **cat <filename> | grep <pattern>** # print the lines with a specific pattern	Search for a pattern in a file
12	head	**head -5 <filename>** # display the first 5 lines	Print the first 10 (or self-defined) lines of each FILE to standard output
13	tail	**tail -15 <filename>** # display the last 15 lines	Print the last 10 (or self-defined) lines of each FILE to standard output
14	ps		Display information about running processes
15	>	**echo "Hello World" > <filename>** # if a file with <filename> exists, it will automatically overwrite	Writing to a file
16	>>	**echo "Hello World" >> <filename>** # append this line to the end of the file	Append to a file

17	=	**var1="Hellow World"** #assign a value to a variable, no space is allowed before and after = **echo $var1** #add $ before variable name to use the variable	Assign values to a variable

18	if-elif-else	**if [[-z "$string"]]; then**
		echo "String is empty"
		elif [[-n "$string"]]; then
		echo "String is not empty"
		else
		echo "This never happens"
		fi
			conditional statement

19	while-do-done	**while [[$i -le 10]] ; do** **echo "$i";** **((i += 1));** **done**	While loop
20	for-do-done	**for i in {1..5}; do** **echo $i;** **done**	For loop