



# **EXPERIMENT 1**

**NAME: AMANDEEP SINGH**

**ROLLNO. 2021A1R68**

**CSE SEM 3**

**OPERATING SYSTEM (COM-312)**

<u>COMMAND</u>	<u>EXAMPLE</u>	<u>DESCRIPTION</u>	<u>OUTPUT</u>
<b>pwd</b>	<b>pwd</b>	The pwd commands writes to standard output the files path name of your current directory from the root directory	<pre> amandeep@amandeep-VirtualBox: ~/Desktop\$ pwd /home/amandeep/Desktop amandeep@amandeep-VirtualBox: ~/Desktop\$ </pre>
<b>ls</b>	<b>ls</b>	List file in current directory	<pre> amandeep@amandeep-VirtualBox: ~/Desktop\$ ls amandeep.txt amansingh.txt aman.txt deep.txt singh.txt amandeep@amandeep-VirtualBox: ~/Desktop\$ </pre>
	<b>ls-l</b>	List files with information about them	<pre> amandeep@amandeep-VirtualBox: ~/Desktop\$ la -l total 16 -rw-rw-r-- 1 amandeep amandeep 149 Sep 30 14:15 amandeep.txt -rw-rw-r-- 1 amandeep amandeep  0 Sep 30 14:22 amansingh.txt -rw-rw-r-- 1 amandeep amandeep 73 Sep 30 14:26 aman.txt -rw-rw-r-- 1 amandeep amandeep  0 Sep 30 14:09 deep.txt -rw-rw-r-- 1 amandeep amandeep 106 Sep 30 14:19 singh.txt drwxrwxr-x 3 amandeep amandeep 4096 Sep 16 13:54 xyz amandeep@amandeep-VirtualBox: ~/Desktop\$ </pre>
<b>cd</b>	<b>cd~</b>	Change the directory to home directory	<pre> amandeep@amandeep-VirtualBox: ~/Desktop/xyz/abc\$ pwd /home/amandeep/Desktop/xyz/abc amandeep@amandeep-VirtualBox: ~/Desktop/xyz/abc\$ cd / amandeep@amandeep-VirtualBox: /\$ pwd / amandeep@amandeep-VirtualBox: /\$ </pre>
	<b>cd/</b>	Change the directory to root directory	<pre> amandeep@amandeep-VirtualBox: ~/Desktop/xyz/abc\$ pwd /home/amandeep/Desktop/xyz/abc amandeep@amandeep-VirtualBox: ~/Desktop/xyz/abc\$ cd / amandeep@amandeep-VirtualBox: /\$ pwd / amandeep@amandeep-VirtualBox: /\$ </pre>
<b>cat</b>	<b>Cat&gt;filename.txt</b>	Creating text file and writing in it	<pre> amandeep@amandeep-VirtualBox: ~/Desktop\$ cat&gt;exp1.txt Hello World This is Experiment 1 of Operating System amandeep@amandeep-VirtualBox: ~/Desktop\$ </pre>
	<b>Cat filename_file2&gt;file3</b>	Combining data of two files and store in third file	<pre> amandeep@amandeep-VirtualBox: ~/Desktop\$ cat experiment.txt Hello World This is Experiment 1 of Operating System We are joining two files hello World </pre>
	<b>Cat &gt;&gt;filename.txt</b>	Appending the text of the file	<pre> amandeep@amandeep-VirtualBox: ~/Desktop\$ cat exp1.txt exp.txt&gt;experiment.txt amandeep@amandeep-VirtualBox: ~/Desktop\$ cat experiment.txt Hello World This is Experiment 1 of Operating System We are joining two files amandeep@amandeep-VirtualBox: ~/Desktop\$ </pre>
	<b>Cat-s filename.txt</b>	It will suppress multiple lines in output	<pre> amandeep@amandeep-VirtualBox: ~/Desktop\$ cat -s experiment.txt Hello World This is Experiment 1 of Operating System We are joining two files amandeep@amandeep-VirtualBox: ~/Desktop\$ </pre>

<b>cat</b>	<b>Cat-b filename.txt</b>	It will add numbers at starting of every line in output	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ cat -b experiment.txt 1 Hello World 2 This is 3 Experiment 1 of 4 Operating System 5 We are joining two files amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
	<b>Cat-E filename.txt</b>	It will add \$ sign at the end of every line	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ cat -e experiment.txt Hello World\$ This is \$ Experiment 1 of\$ Operating System\$ We are joining two files\$ amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
<b>mkdir</b>	<b>mkdir[directories]</b>	Create a folder in current directory	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ mkdir aman amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
	<b>Mkdir-v</b>	It displays message for every directory created	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ mkdir deep amandeep@amandeep-VirtualBox:~/Desktop\$ mkdir -p deep amandeep@amandeep-VirtualBox:~/Desktop\$ mkdir deep mkdir: cannot create directory 'deep': File exists amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
	<b>Mkdir-p</b>	To create parent directory as necessary. If directory exists no error displays	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ mkdir -v amandeep mkdir: created directory 'amandeep' amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
<b>rmdir</b>	<b>rmdir[directories]</b>	Remove the directories only if they are empty	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ rmdir deep amandeep@amandeep-VirtualBox:~/Desktop\$ ls aman  amandeep.txt  aman.txt  exp1.txt  exp.txt  xyz amandeep  amansingh.txt  deep.txt  experiment.txt  singh.txt amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
<b>rm</b>	<b>rm[Files]</b>	Remove files or Directories	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ rm amandeep.txt amandeep@amandeep-VirtualBox:~/Desktop\$ ls aman  amansingh.txt  deep.txt  experiment.txt  singh.txt amandeep  aman.txt  exp1.txt  exp.txt  xyz amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
	<b>rm-i</b>	Confirms from user before deletion	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ rm -f aman.txt amandeep@amandeep-VirtualBox:~/Desktop\$ ls aman  amandeep  amansingh.txt  exp1.txt  experiment.txt  singh.txt  xyz amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
	<b>rm-F</b>	Remove file by force	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ rm -l exp.txt rm: remove regular file 'exp.txt'? y amandeep@amandeep-VirtualBox:~/Desktop\$ ls aman  amansingh.txt  exp1.txt  singh.txt amandeep  aman.txt  experiment.txt  xyz amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
<b>mv</b>	<b>Mv[option] – Source destination</b>	It moves directories to another directory	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ mv aman ~/home/amandeep/Desktop/amandeep/ amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
	<b>Mv[file1.txt] [file2.txt]</b>	Renaming the file name i.e. file 1.txt with file 2.txt	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ mv aman.txt singh.txt amandeep@amandeep-VirtualBox:~/Desktop\$</pre>
	<b>Mv -imcat [file1.txt] [file2.txt]</b>	It asks the user for confirmation before moving a file that	<pre>amandeep@amandeep-VirtualBox:~/Desktop\$ mv -i amandeep.txt singh.txt mv: overwrite 'singh.txt'? y amandeep@amandeep-VirtualBox:~/Desktop\$</pre>

		would overwritten the existing file	
--	--	---	--