EXPERIMENT 1

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CSE SEM 3

OPERATING SYSTEM (COM-312)

COMMAND	EXAMPLE	DESCRIPTION	OUTPUT
pwd	pwd	The pwd commands writes to standard output the files path name of your current directory from the root directory	amandeep@amandeep-VirtualBox:~/Desktop$ pwd /home/amandeep/Desktop amandeep@amandeep-VirtualBox:~/Desktop$
ls	ls	List file in current directory	amandeep@amandeep-VirtualBox:~/Desktop$ ls amandeep.txt amansingh.txt aman.txt deep.txt singh.txt amandeep@amandeep-VirtualBox:~/Desktop$
	ls-l	List files with information about them	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$ S
cd	cd~	Change the directory to home directory	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:/$ S
	cd/	Change the directory to root directory	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:/$ S
cat	Cat>filename.txt	Creating text file and writing in it	amandeep@amandeep-VirtualBox:~/Desktop$ cat>exp1.txt Hello World This is Experiment 1 of Operating Systemamandeep@amandeep-VirtualBox:~/Desktop$
	Cat filename_file2>file3	Combining data of two files and store in third file	amandeep@amandeep-VirtualBox:~/Desktop$ cat experiment.txt Hello World This is Experiment 1 of Operating System We are joining two files hello World
	Cat >>filename.txt	Appending the text of the file	amandeep@amandeep-VirtualBox:~/Desktop$ cat exp1.txt exp.txt>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$
	Cat-s filename.txt	It will supress multiple lines in output	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$

cat	**Cat-b filename.txt**	It will add numbers at starting of every line in output	`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$`

	Cat-E filename.txt	It will add $ sign at theend of every line	`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$`

mkdir	**mkdir[directories]**	Creat a folder in current directory	`amandeep@amandeep-VirtualBox:~/Desktop$ mkdir aman` `amandeep@amandeep-VirtualBox:~/Desktop$`

	Mkdir-v	It display message for every directory created	`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$`

	Mkdir-p	To creat parent directory as necessary. If directory exist no error displays	`amandeep@amandeep-VirtualBox:~/Desktop$ mkdir -v amandeep`
			`mkdir: created directory 'amandeep'`
			`amandeep@amandeep-VirtualBox:~/Desktop$`

rmdir	**rmdir[directories]**	Remove the directories only if they are empty	`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$`

rm	**rm[Files]**	Remove files or Directories	`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$`

	rm-i	Confirms from user before deletion	`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$`

	rm-F	Remove file by force	`amandeep@amandeep-VirtualBox:~/Desktop$ rm -i 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$`

mv	**Mv[option] – Source destination**	It moves directories to another directories	`amandeep@amandeep-VirtualBox:~/Desktop$ mv aman  /home/amandeep/Desktop/amandee`
			`p/`
			`amandeep@amandeep-VirtualBox:~/Desktop$`

	Mv[file1.txt] [file2.txt]	Removing the file name i.e file 1.txt with file2.txt	`amandeep@amandeep-VirtualBox:~/Desktop$ mv aman.txt singh.txt` `amandeep@amandeep-VirtualBox:~/Desktop$`

	Mv -imcat [file1.txt] [file2.txt]	It ask the user for confirmation before moving a file that	`amandeep@amandeep-VirtualBox:~/Desktop$ mv -i amandeep.txt singh.txt`
			`mv: overwrite 'singh.txt'? y`
			`amandeep@amandeep-VirtualBox:~/Desktop$`

		would overwritten the existing file	