Unix Command Line

<http://www.ee.surrey.ac.uk/Teaching/Unix/>

mahesh@DESKTOP-DKTCVR3:~$ cd /

mahesh@DESKTOP-DKTCVR3:/$ ls

bin dev home lib lib64 lost+found mnt proc run snap sys usr

boot etc init lib32 libx32 media opt root sbin srv tmp var

mahesh@DESKTOP-DKTCVR3:/$ cd

mahesh@DESKTOP-DKTCVR3:~$ mkdir unixlearning

mahesh@DESKTOP-DKTCVR3:~$ ls

unixlearning

mahesh@DESKTOP-DKTCVR3:~$ cd unixlearning

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ touch myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cat > myfile.txt

Hello world

I am playing with linux

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ nano myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ ls

myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cd .

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cd..

cd..: command not found

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cd ..

mahesh@DESKTOP-DKTCVR3:~$ ls -a

. .. .bash\_logout .bashrc .landscape .local .motd\_shown .profile .sudo\_as\_admin\_successful unixlearning

mahesh@DESKTOP-DKTCVR3:~$ pwd

/home/mahesh

mahesh@DESKTOP-DKTCVR3:~$ cd home

-bash: cd: home: No such file or directory

mahesh@DESKTOP-DKTCVR3:~$ ls -a

. .. .bash\_logout .bashrc .landscape .local .motd\_shown .profile .sudo\_as\_admin\_successful unixlearning

mahesh@DESKTOP-DKTCVR3:~$ cd unixlearning

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cp myfile.txt

cp: missing destination file operand after 'myfile.txt'

Try 'cp --help' for more information.

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cp /unixlearning/myfile.txt

cp: missing destination file operand after '/unixlearning/myfile.txt'

Try 'cp --help' for more information.

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cp /unixlearning/myfile.txt .

cp: cannot stat '/unixlearning/myfile.txt': No such file or directory

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ mkdir newfolder

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cd newfolder

mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ cp /unixlearning/myfile.txt .

cp: cannot stat '/unixlearning/myfile.txt': No such file or directory

mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ cp /home/mahesh/unixlearning/myfile.txt

cp: missing destination file operand after '/home/mahesh/unixlearning/myfile.txt'

Try 'cp --help' for more information.

mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ cp /home/mahesh/unixlearning/myfile.txt .

mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ ls -a

. .. myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ ls

myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ rm myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ ls

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cat myfile.txt

Hello world

I am playing with linux

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ less myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ head myfile.txt

Hello world

I am playing with linux

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ tail myfile.txt

Hello world

I am playing with linux

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ less myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ grep playing myfile.txt

I am playing with linux

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ grep -i Playing myfile.txt

I am playing with linux

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ grep Playing myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ grep -v playing myfile.txt

Hello world

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ grep -n playing myfile.txt

2:I am playing with linux

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ grep -c playing myfile.txt

1

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ wc -w myfile.txt

7 myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning$ wc -l myfile.txt

2 myfile.txt

mahesh@DESKTOP-DKTCVR3:~/unixlearning$

Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.10.16.3-microsoft-standard-WSL2 x86\_64) \* Documentation: https://help.ubuntu.com \* Management: https://landscape.canonical.com \* Support: https://ubuntu.com/advantage System information as of Fri Jun 3 15:50:42 SAST 2022 System load: 0.0 Processes: 8 Usage of /: 0.6% of 250.98GB Users logged in: 0 Memory usage: 1% IPv4 address for eth0: 172.18.160.210 Swap usage: 0% 0 updates can be applied immediately. This message is shown once a day. To disable it please create the /home/mahesh/.hushlogin file. mahesh@DESKTOP-DKTCVR3:~$ ls unixlearning mahesh@DESKTOP-DKTCVR3:~$ cd unixlearning mahesh@DESKTOP-DKTCVR3:~/unixlearning$ ls -a . .. myfile.txt newfolder mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cd newfolder mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ ls mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ ls -a . .. mahesh@DESKTOP-DKTCVR3:~/unixlearning/newfolder$ cd .. mahesh@DESKTOP-DKTCVR3:~/unixlearning$ cd .. mahesh@DESKTOP-DKTCVR3:~$ cat Hello world Hello world mahesh@DESKTOP-DKTCVR3:~$ touch list.txt mahesh@DESKTOP-DKTCVR3:~$ cat > list.txt pear banana apple mahesh@DESKTOP-DKTCVR3:~$ cat list.txt pear banana apple mahesh@DESKTOP-DKTCVR3:~$ cat >> list.txt peach grape orange mahesh@DESKTOP-DKTCVR3:~$ cat list.txt pear banana apple peach grape orange mahesh@DESKTOP-DKTCVR3:~$ touch list2.txt mahesh@DESKTOP-DKTCVR3:~$ cat > list2.txt chocalate cake pizza nachos burritos mahesh@DESKTOP-DKTCVR3:~$ cat list.txt list1.txt > biglist.txt cat: list1.txt: No such file or directory mahesh@DESKTOP-DKTCVR3:~$ cat list.txt list2.txt > biglist.txt mahesh@DESKTOP-DKTCVR3:~$ cat biglist.txt pear banana apple peach grape orange chocalate cake pizza nachos burritos mahesh@DESKTOP-DKTCVR3:~$ sort dog cat bird ape ape bird cat dog mahesh@DESKTOP-DKTCVR3:~$ sort biglist.txt apple banana burritos chocalate cake grape nachos orange peach pear pizza mahesh@DESKTOP-DKTCVR3:~$ sort < biglist.txt apple banana burritos chocalate cake grape nachos orange peach pear pizza mahesh@DESKTOP-DKTCVR3:~$ sort < biglist.txt > sortedlist.txt mahesh@DESKTOP-DKTCVR3:~$ cat sortedlist.txt apple banana burritos chocalate cake grape nachos orange peach pear pizza mahesh@DESKTOP-DKTCVR3:~$ who mahesh@DESKTOP-DKTCVR3:~$ who mahesh@DESKTOP-DKTCVR3:~$ sudo who [sudo] password for mahesh: mahesh@DESKTOP-DKTCVR3:~$ who mahesh@DESKTOP-DKTCVR3:~$ who > names.txt mahesh@DESKTOP-DKTCVR3:~$ sort < names.txt mahesh@DESKTOP-DKTCVR3:~$ ls | sort biglist.txt list.txt list2.txt names.txt sortedlist.txt unixlearning mahesh@DESKTOP-DKTCVR3:~$ who | wc -1 wc: invalid option -- '1' Try 'wc --help' for more information. mahesh@DESKTOP-DKTCVR3:~$ who | wc -l 0 mahesh@DESKTOP-DKTCVR3:~$ ls -l | more total 20 -rw-r--r-- 1 mahesh mahesh 74 Jun 3 16:27 biglist.txt -rw-r--r-- 1 mahesh mahesh 37 Jun 3 16:24 list.txt -rw-r--r-- 1 mahesh mahesh 37 Jun 3 16:26 list2.txt -rw-r--r-- 1 mahesh mahesh 0 Jun 3 16:46 names.txt -rw-r--r-- 1 mahesh mahesh 74 Jun 3 16:44 sortedlist.txt drwxr-xr-x 3 mahesh mahesh 4096 May 27 19:41 unixlearning mahesh@DESKTOP-DKTCVR3:~$