

Assignment 2: Basic Unix commands

Command	Options	Execution	Remark
ls	-	ls Desktop Documents Downloads Music Pictures Public Templates Videos	Shows the list of files
	-l	<pre>ls -l total 36 drwxr-xr-x 2 sirus 4096 Oct 6 19:57 Desktop drwxr-xr-x 2 sirus 4096 Oct 6 19:57 Documents drwxr-xr-x 2 sirus 4096 Dec 27 00:55 Downloads drwxr-xr-x 2 sirus 4096 Oct 6 19:57 Music drwxr-xr-x 2 sirus 4096 Oct 6 19:57 Pictures drwxr-xr-x 2 sirus 4096 Oct 6 19:57 Public -rw-r--r-- 1 sirus 33 Feb 9 14:02 temp drwxr-xr-x 2 sirus 4096 Oct 6 19:57 Templates drwxr-xr-x 2 sirus 4096 Oct 6 19:57 Videos</pre>	Shows us the list of file in list format
	-d	ls -d .	list directories themselves, not their contents
	-g	<pre>ls -g total 36 drwxr-xr-x 2 4096 Oct 6 19:57 Desktop drwxr-xr-x 2 4096 Oct 6 19:57 Documents drwxr-xr-x 2 4096 Dec 27 00:55 Downloads drwxr-xr-x 2 4096 Oct 6 19:57 Music drwxr-xr-x 2 4096 Oct 6 19:57 Pictures drwxr-xr-x 2 4096 Oct 6 19:57 Public -rw-r--r-- 1 33 Feb 9 14:02 temp drwxr-xr-x 2 4096 Oct 6 19:57 Templates drwxr-xr-x 2 4096 Oct 6 19:57 Videos</pre>	group directories before files
	-l	ls -l 8302 Desktop 8936 Downloads 17177 Pictures 116660 temp 17516 Videos 9099 Documents 9619 Music 9071 Public 8993 Templates	print the index number of each file
	-s	ls -s total 32 4 Desktop 4 Documents 4 Downloads 4 Music 4 Pictures 4 Public 4 Templates 4 Videos	print the allocated size of each file, in blocks

echo		echo Hello world! Hello world!	Echo the STRING(s) to standard output.
man		man echo	man is the system's manual pager.
clear		clear	Clears the screen
exit		exit	Exits the terminal
date		date Tue 09 Feb 2021 01:47:20 PM IST	Prints the date and time
time		time shell 5.32s user 1.00s system 1% cpu 6:46.88 total children 1.27s user 2.94s system 1% cpu 6:46.88 total	run programs and summariz e system resource usage
uptime		uptime 13:49:14 up 35 min, 0 users, load average: 0.16, 0.09, 0.02	Tell how long the system has been running.
tty		tty /dev/pts/0	print the file name of the terminal connecte d to standard input
history		history 1 ls -al \$HISTFILE	Shows the command history
id		id uid=1000(sirus) gid=1000(sirus) groups=1000(sirus),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),1001(docker)	print real and effective user and group IDs

pwd		pwd /home/sirus	Prints the current working directory
whoami		whoami sirus	Prints the user name current logged in
ping		ping 172.26.108.189 PING 172.26.108.189 (172.26.108.189) 56(84) bytes of data. 64 bytes from 172.26.108.189: icmp_seq=1 ttl=64 time=0.113 ms 64 bytes from 172.26.108.189: icmp_seq=2 ttl=64 time=0.080 ms 64 bytes from 172.26.108.189: icmp_seq=3 ttl=64 time=0.089 ms	Pings the ip address provided to it
cal		cal February 2021 Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Prints the calendar
"control" " c		-	Cancels the command
ifconfig		<pre> ifconfig eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500 inet 172.21.49.225 netmask 255.255.240.0 broadcast 172.21.63.255 inet6 fe80::215:5dff:fe76:3058 prefixlen 64 scopeid 0x20<link-local> ether 00:15:5d:76:30:58 txqueuelen 1000 (Ethernet) RX packets 15 bytes 1290 (1.2 KiB) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 11 bytes 866 (866.0 B) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0 lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536 inet 127.0.0.1 netmask 255.0.0.0 inet6 ::1 prefixlen 128 scopeid 0x10<host> loop txqueuelen 1000 (Local Loopback) RX packets 0 bytes 0 (0.0 B) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 0 bytes 0 (0.0 B) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0 </pre>	Shows the network details
cat		cat temp Hello world!!!! Cat is working	concatenates files and print on the standard output