

BIG DATA ANALYTICS

NAME : Dhanush G

Roll no : 21ALR012

```
Activities Terminal Jul 21 12:10 PM student@ITP-CC1-1: ~/Documents/21alr012/ex1

./ex1/sample1.txt
student@ITP-CC1-1:~/Documents/21alr012$ find ./ex1 -name sample3.txt
student@ITP-CC1-1:~/Documents/21alr012$ cd ex1
student@ITP-CC1-1:~/Documents/21alr012/ex1$ grep -l "1" sample2.txt
^C
student@ITP-CC1-1:~/Documents/21alr012/ex1$ grep -l "1" sample2.txt
sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ grep -l "1" sample2.txt
^C
student@ITP-CC1-1:~/Documents/21alr012/ex1$ grep -l " " sample2.txt
sample1.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ grep -l "a" *
sample1.txt
sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ grep -l "1" *
sample1.txt
sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ tar help
tar: invalid option -- 'e'
Try 'tar --help' or 'tar --usage' for more information.
student@ITP-CC1-1:~/Documents/21alr012/ex1$ tar --usage
Usage: tar [-AdrtuxGnSkUwOmpsMBiajJzZhPlRvw?] [-C DIR] [-T FILE] [-X FILE]
[-g FILE] [-f ARCHIVE] [-F NAME] [-L NUMBER] [-b BLOCKS]
[-H FORMAT] [-V TEXT] [-I PROG] [-K MEMBER-NAME] [-N DATE-OR-FILE]
[--add-file=FILE] [--directory=DIR] [--exclude=PATTERN]
[--exclude=backups] [--exclude=caches] [--exclude=caches-all]
[--exclude=caches-under] [--exclude=ignore=FILE]
[--exclude=ignore-recurses=FILE] [--exclude-tag=FILE]
[--exclude-tag-all=FILE] [--exclude-tag-under=FILE] [--exclude=vcs]
[--exclude=vcs-ignores] [--no-null] [--no-recursion] [--no-unquote]
[--no-verbatim=files-from] [--null] [--recursion]
[--files-from=FILE] [--unquote] [--verbatim=files-from]
[--exclude-from=FILE] [--anchored] [--ignore-case] [--no-anchored]
[--no-ignore-case] [--no-wildcards] [--no-wildcards-match-slash]
[--wildcards] [--wildcards-match-slash] [--catenate]
[--concatenate] [--create] [--diff] [--compare] [--delete]
[--append] [--list] [--test-label] [--update] [--extract] [--get]
[--check-device] [--listed-incremental=FILE] [--incremental]
[--hole-detection=TYPE] [--ignore-failed-read] [--level=NUMBER]
[--seek] [--no-check-device] [--no-seek] [--occurrence=NUMBER]
[--sparse-version=MAJOR[.MINOR]] [--sparse] [--keep-old-files]
[--keep-directory-symlink] [--keep-newer-files]
[--no-overwrite-dir] [--one-top-level=DIR] [--overwrite]
[--overwrite-dir] [--recursive-unlink] [--remove-files]
[--skip-old-files] [--unlink-first] [--verify]
[--ignore-command-error] [--no-ignore-command-error] [--to-stdout]
[--to-command=COMMAND] [--atime-preserve=METHOD] [--clamp-mtime]
[--delay-directory-restore] [--group=NAME] [--group-man=FILE]
```

```
Activities Terminal Jul 21 12:10 PM student@ITP-CC1-1: ~/Documents/21alr012/ex1

student@ITP-CC1-1:~/Documents/21alr012/ex1$ tar cvf file.tar *.txt
sample1.txt
sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ ls
file.tar sample1.txt sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ tar cvzf file.tar.gz *.txt
sample1.txt
sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ ls
file.tar file.tar.gz sample1.txt sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$
student@ITP-CC1-1:~/Documents/21alr012/ex1$
student@ITP-CC1-1:~/Documents/21alr012/ex1$ rm sample1.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ rm sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ tar xvf file.tar *.txt
tar: Pattern matching characters used in file names
tar: Use --wildcards to enable pattern matching, or --no-wildcards to suppress this warning
tar: *.txt: Not found in archive
tar: Exiting with failure status due to previous errors
student@ITP-CC1-1:~/Documents/21alr012/ex1$ tar xvf file.tar
sample1.txt
sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ rm sample1.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ rm sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ tar xvfz file.tar.gz
sample1.txt
sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ ls
file.tar file.tar.gz sample1.txt sample2.txt
student@ITP-CC1-1:~/Documents/21alr012/ex1$ ip --help
Usage: ip [ OPTIONS ] OBJECT { COMMAND | help }
       ip [ -force ] -batch filename
where  OBJECT := { link | address | addrlabel | route | rule | neigh | ntable |
               tunnel | tuntap | maddress | mroute | mrule | monitor | xfrm |
               netns | l2tp | fou | macsec | tcp_metrics | token | netconf | ila |
               vrf | sr | nexthop }
       OPTIONS := { -V[ersion] | -s[tatistics] | -d[etails] | -r[esolve] |
                   -h[uman-readable] | -l[ec] | -j[son] | -p[retty] |
                   -f[amly] { lnet | inet6 | mpls | bridge | link } |
                   -4 | -6 | -I | -D | -M | -B | -O |
                   -l[oops] { maximum-addr-flush-attempts } | -b[r]ief |
                   -o[neline] | -t[imestamp] | -ts[hort] | -b[atch] [filename] |
                   -rc[vbuf] [size] | -n[etns] name | -N[umeric] | -a[ll] |
                   -c[olor] }
student@ITP-CC1-1:~/Documents/21alr012/ex1$ ip address show
1: lo: <LOOPBACK UP (DOW) UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
```

BIG DATA ANALYTICS

```
Activities Terminal Jul 21 12:10 PM student@ITP-CC1-1: ~/Documents/21alr012/ex1

-o[neline] | -t[imestamp] | -ts[hort] | -b[atch] [filename] |
-rc[vbuf] [size] | -n[etns] name | -N[umeric] | -a[ll] |
-c[color]]
student@ITP-CC1-1:~/Documents/21alr012/ex1$ ip address show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eno1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 50:81:40:2e:40:b0 brd ff:ff:ff:ff:ff:ff
    altname enp0s31f6
    inet 10.2.2.10/24 brd 10.2.11.255 scope global dynamic noprefixroute eno1
        valid_lft 81135sec preferred_lft 81135sec
    inet6 fe80::5281:40ff:fe2e:40b0/64 scope link
        valid_lft forever preferred_lft forever
student@ITP-CC1-1:~/Documents/21alr012/ex1$ ping kongu.edu
PING kongu.edu (172.16.1.202) 56(84) bytes of data:
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=1 ttl=61 time=0.828 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=2 ttl=61 time=0.621 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=3 ttl=61 time=0.720 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=4 ttl=61 time=0.656 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=5 ttl=61 time=0.631 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=6 ttl=61 time=0.554 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=7 ttl=61 time=0.730 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=8 ttl=61 time=0.638 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=9 ttl=61 time=0.583 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=10 ttl=61 time=0.719 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=11 ttl=61 time=0.517 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=12 ttl=61 time=0.662 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=13 ttl=61 time=0.901 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=14 ttl=61 time=0.532 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=15 ttl=61 time=0.771 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=16 ttl=61 time=0.653 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=17 ttl=61 time=0.764 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=18 ttl=61 time=0.443 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=19 ttl=61 time=0.656 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=20 ttl=61 time=0.602 ms
64 bytes from ns2.kongu.edu (172.16.1.202): icmp_seq=21 ttl=61 time=0.685 ms
^C
--- kongu.edu ping statistics ---
21 packets transmitted, 21 received, 0% packet loss, time 20427ms
rtt min/avg/max/mdev = 0.443/0.660/0.901/0.104 ms
student@ITP-CC1-1:~/Documents/21alr012/ex1$
```