

Assignment: 2

Name :Yashwant Singh Rathore

Topic : Basic Linux commands

Date : 13 April 2023

```
yash@DESKTOP-FIK5SPH: ~/infobell
yash@DESKTOP-FIK5SPH:~/infobell$ ps -a
  PID TTY          TIME CMD
   95 pts/0    00:00:00 su
   96 pts/0    00:00:00 bash
  297 tty2     00:00:00 bash
  358 tty2     00:00:00 ps
yash@DESKTOP-FIK5SPH:~/infobell$ ps aux
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1   0.0  0.0   8960   400 ?        Ssl   Apr12   0:00 /init
yash       55   0.0  0.0   14120  3784 ?        S    Apr12   0:00 -bash
root       93   0.0  0.0   16844  3608 ?        S    Apr12   0:00 sudo su
root       94   0.0  0.0   16844   524 pts/0    Ss   Apr12   0:00 sudo su
root       95   0.0  0.0   15624  2592 pts/0    S    Apr12   0:00 su
root       96   0.0  0.0   13084  2536 pts/0    S    Apr12   0:00 bash
root      296   0.0  0.0    9312   236 tty2    Ss   Apr12   0:00 /init
yash      297   0.0  0.0   14120  3792 tty2    S    Apr12   0:00 -bash
yash      359   0.0  0.0   15520  1920 tty2    R   14:22   0:00 ps aux
yash@DESKTOP-FIK5SPH:~/infobell$ cat yashw.txt
cat: yashw.txt: No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ touch yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ vi yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ ping google.com
PING google.com(dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e)) 56 data bytes
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=1 ttl=119 time=10.1 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=2 ttl=119 time=10.0 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=3 ttl=119 time=11.1 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=4 ttl=119 time=9.78 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=5 ttl=119 time=11.3 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=6 ttl=119 time=10.7 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=7 ttl=119 time=10.9 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=8 ttl=119 time=10.7 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=9 ttl=119 time=12.3 ms
```

```
yash@DESKTOP-FIK5SPH: ~/infobell
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=8 ttl=119 time=10.7 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=9 ttl=119 time=12.3 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=10 ttl=119 time=13.1 ms
64 bytes from dell11s09-in-x0e.1e100.net (2404:6800:4002:814::200e): icmp_seq=11 ttl=119 time=10.5 ms
^C
--- google.com ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10020ms
rtt min/avg/max/mdev = 9.783/16.413/70.939/17.269 ms
yash@DESKTOP-FIK5SPH:~/infobell$ ifconfig

Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
yash@DESKTOP-FIK5SPH:~/infobell$
yash@DESKTOP-FIK5SPH:~/infobell$ tar -czvf archive.tar.gz /path/to/files
tar: Removing leading `/' from member names
tar: /path/to/files: Cannot stat: No such file or directory
tar: Exiting with failure status due to previous errors
yash@DESKTOP-FIK5SPH:~/infobell$ tar -czvf archive.tar.gz /path/to/files
tar: Removing leading `/' from member names
tar: /path/to/files: Cannot stat: No such file or directory
tar: Exiting with failure status due to previous errors
yash@DESKTOP-FIK5SPH:~/infobell$ tar -czvf archive.tar.gz yashw.txt
yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ ls
archive.tar.gz  yash.txt  yash1  yash3  yashw.txt  yashwant.txt
yash@DESKTOP-FIK5SPH:~/infobell$ tar -xvf archive.tar.gz
yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ df -h
Filesystem      Size  Used Avail Use% Mounted on
rootfs           224G   83G   141G   38% /
none             224G   83G   141G   38% /dev
none             224G   83G   141G   38% /run
```

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```
yash@DESKTOP-FIK5SPH: ~/infobell
C:\ 224G 83G 141G 38% /mnt/c
D:\ 184G 95G 90G 52% /mnt/d
E:\ 196G 588M 195G 1% /mnt/e
F:\ 293G 18G 276G 7% /mnt/f
G:\ 245G 3.4G 241G 2% /mnt/g
H:\ 15G 13G 1.8G 88% /mnt/h
yash@DESKTOP-FIK5SPH:~/infobell$ history
1  whoami
2  man
3  man man
4  pwd
5  mkdir
6  mkdir --help
7  clear
8  ls
9  cd /
10 ls
11 ls -lrth
12 sudo touch.txt
13 ls -lrtha
14 ls -help
15 ls -help
16 ls --help
17 ls man help
18 man help
19 mkdir test
20 sudo mkdir test
21 ls
22 cd test
23 cd..
24 ls
25 cd .
```

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```
yash@DESKTOP-FIK5SPH: ~/infobell
yash@DESKTOP-FIK5SPH:~/infobell$ top
top - 14:28:58 up 1 day, 2:01, 0 users, load average: 0.52, 0.58, 0.59
Tasks:  9 total,  1 running,  8 sleeping,  0 stopped,  0 zombie
%Cpu(s): 17.8 us,  5.6 sy,  0.0 ni, 76.5 id,  0.0 wa,  0.1 hi,  0.0 si,  0.0 st
MiB Mem : 12200.1 total,  5942.8 free,  6033.3 used,  224.0 buff/cache
MiB Swap: 28602.4 total,  28406.2 free,  196.2 used.  6036.2 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM     TIME+ COMMAND
    1 root        20   0   8960    400    332  S   0.0   0.0   0:00.23 init
   55 yash       20   0  14120   3784   3668  S   0.0   0.0   0:00.10 bash
   93 root       20   0  16844   3608   3488  S   0.0   0.0   0:00.21 sudo
   94 root       20   0  16844    524    452  S   0.0   0.0   0:00.00 sudo
   95 root       20   0  15624   2592   2568  S   0.0   0.0   0:00.07 su
   96 root       20   0  13084   2536   2360  S   0.0   0.0   0:00.04 bash
  296 root       20   0   9312    236    184  S   0.0   0.0   0:00.01 init
  297 yash       20   0  14660   4480   4384  S   0.0   0.0   0:00.79 bash
  391 yash       20   0  15840   2248   1580  R   0.0   0.0   0:00.01 top
```

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```
yash@DESKTOP-FIK5SPH: ~/infobell
yash@DESKTOP-FIK5SPH:~/infobell$ awk '{print $1, $3}' /path/to/file
awk: fatal: cannot open file `/path/to/file' for reading: No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ awk '{print $1, $3}' yashw.txt
i
hekko
anc
xdr
dfaf
fdada
fdaf
dafda
fdsa vsdfdsf
i
hekko
anc
xdr
dfaf
fdada
fdaf
dafda
fdsa vsdfdsf

yash@DESKTOP-FIK5SPH:~/infobell$ ls
archive.tar.gz yash.txt yashi yash3 yashw.txt yashwant.txt
yash@DESKTOP-FIK5SPH:~/infobell$ cat yash.txt yashw.txt
varun
yash
tanu
i
hekko
anc
xdr
```

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```
yash@DESKTOP-FIK5SPH: ~/infobell
fdsa sdfds vsdfdsf dfdsd sdfds

yash@DESKTOP-FIK5SPH:~/infobell$ ls
archive.tar.gz yash.txt yash1 yash3 yashw.txt yashwant.txt
yash@DESKTOP-FIK5SPH:~/infobell$ chmod 644 /path/to/file
chmod: cannot access '/path/to/file': No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ chmod 644 yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ find /path/to/search -name "*.txt"
find: '/path/to/search': No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ find yashw.txt
yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ grep -r yash yash.txt
yash
yash@DESKTOP-FIK5SPH:~/infobell$ cat yash.txt
varun
yash
tanu
yash@DESKTOP-FIK5SPH:~/infobell$ netstat -an
Command 'netstat' not found, but can be installed with:
sudo apt install net-tools
yash@DESKTOP-FIK5SPH:~/infobell$ sudo apt update
[sudo] password for yash:
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [731 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [147 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [147 kB]
Get:10 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [147 kB]
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```
yash@DESKTOP-FIK5SPH: ~/infobell
Building dependency tree... Done
Reading state information... Done
75 packages can be upgraded. Run 'apt list --upgradable' to see them.
yash@DESKTOP-FIK5SPH:~/infobell$ sed -i yashw.txt
$: command not found
yash@DESKTOP-FIK5SPH:~/infobell$ lsblk
Command 'lsblk' not found, did you mean:
  command 'lsblk' from deb util-linux (2.37.2-4ubuntu3)
Try: sudo apt install <deb name>
yash@DESKTOP-FIK5SPH:~/infobell$ lsblk
lsblk: failed to access sysfs directory: /sys/dev/block: No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ du
.
0
yash@DESKTOP-FIK5SPH:~/infobell$ hostnamectl [-options] [command...]
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
yash@DESKTOP-FIK5SPH:~/infobell$ hostname
DESKTOP-FIK5SPH
yash@DESKTOP-FIK5SPH:~/infobell$ lsblk -a
lsblk: failed to access sysfs directory: /sys/dev/block: No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ lsblk -b
lsblk: failed to access sysfs directory: /sys/dev/block: No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ lsblk
lsblk: failed to access sysfs directory: /sys/dev/block: No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ sudo lsblk
lsblk: failed to access sysfs directory: /sys/dev/block: No such file or directory
yash@DESKTOP-FIK5SPH:~/infobell$ groupadd yashwantogesh
groupadd: Permission denied.
groupadd: cannot lock /etc/group; try again later.
yash@DESKTOP-FIK5SPH:~/infobell$ tar -cvf yashw.txt
tar: Cowardly refusing to create an empty archive.
Try 'tar --help' or 'tar --usage' for more information.
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```
yash@DESKTOP-FIK5SPH: ~/infobell
groupadd: Permission denied.
groupadd: cannot lock /etc/group; try again later.
yash@DESKTOP-FIK5SPH:~/infobell$ tar -cvf yashw.txt
tar: Cowardly refusing to create an empty archive
Try 'tar --help' or 'tar --usage' for more information.
yash@DESKTOP-FIK5SPH:~/infobell$ tar -cvf xyz yashw.txt
yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ ls
archive.tar.gz  xyz  yash.txt  yash1  yash3  yashw.txt  yashwant.txt
yash@DESKTOP-FIK5SPH:~/infobell$ tar -tvf xyz.tar
tar: xyz.tar: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
yash@DESKTOP-FIK5SPH:~/infobell$ tar -tvf xyz
-rw-r--r-- yash/yash      151 2023-04-13 14:24 yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ tar -xvf xyz
yashw.txt
yash@DESKTOP-FIK5SPH:~/infobell$ tar -jcvf pqr xyz
xyz
/bin/sh: 1: bzip2: not found
tar: Child returned status 127
tar: Error is not recoverable: exiting now
yash@DESKTOP-FIK5SPH:~/infobell$
```

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