

Q-1)

Cat /etc/shells

Q-2)

Env

Q-3)

Ps

Q-4)

ps env

Q-5)

Nano .bashrc then write under append (date)

Q-6)

Ls > file_list.txt

Q-7)

ls *.txt or ls | grep .txt

Q-8)

Ls >> file1

Q-9)

ls | grep -r 'report'

Q-10) head -n 10 passwd || tail -n 10 passwd

```
ubuntu:x:1000:1000:Ubuntu:/home/ubuntu:/bin/bash
ubuntu@primary:/etc$ head -n 10 passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
ubuntu@primary:/etc$ tail -n 10 passwd
systemd-resolve:x:991:991:systemd Resolver:/usr/sbin/nologin
uidd:x:103:103::/run/uidd:/usr/sbin/nologin
tss:x:104:104:TPM software stack,,:/var/lib/tpm:/bin/false
sshd:x:105:65534::/run/sshd:/usr/sbin/nologin
pollinate:x:106:1::/var/cache/pollinate:/bin/false
tcpdump:x:107:108::/nonexistent:/usr/sbin/nologin
landscape:x:108:109::/var/lib/landscape:/usr/sbin/nologin
fwupd-refresh:x:990:990:Firmware update daemon:/var/lib/fwupd:/usr/sbin/nologin
polkitd:x:989:989>User for polkitd:/usr/sbin/nologin
ubuntu:x:1000:1000:Ubuntu:/home/ubuntu:/bin/bash
ubuntu@primary:/etc$ █
```

Q-11)

Sudo cat /etc/passwd > data.csv

Cut -d':' -f1 data.csv

```
ubuntu@primary: ~  
polkitd:x:989:989:User for polkitd:/:usr/sbin/nolo  
ubuntu:x:1000:1000:Ubuntu:/home/ubuntu:/bin/bash  
ubuntu@primary:~$ cut -d':' -f1 data.csv  
root  
daemon  
bin  
sys  
sync  
games  
man  
lp  
mail  
news  
uucp  
proxy  
www-data  
backup  
list  
irc  
_apt  
nobody  
systemd-network  
systemd-timesync  
dhcpcd  
messagebus  
syslog  
systemd-resolve  
uidd  
tss  
sshd  
pollinate  
tcpdump  
landscape  
fwupd-refresh  
polkitd  
ubuntu  
ubuntu@primary:~$
```

q-12)

```
ubuntu@primary:~$ cat log.text
hello this is my text
i hate ERROR
thanks
ubuntu@primary:~$ cat log.text | grep "ERROR"
i hate ERROR
ubuntu@primary:~$
```

q-13)

```
Try: sudo apt install <deb name>
ubuntu@primary:~$ cat fileg
report bassem
ubuntu@primary:~$ cat fileg | tr 'a-z' 'A-Z'
REPORT BASSEM
ubuntu@primary:~$
```

Q-14)

ps aux | grep "process_name"

Q-15)

```
Sun Apr  6 13:23:29 EDT 2023
ubuntu@primary:~$ ls
total 28
-rw-rw-r-- 1 ubuntu ubuntu 1716 Apr  6 14:44 data.csv
-rw-rw-r-- 1 ubuntu ubuntu  29 Apr  6 13:55 file_list.txt
-rw-rw-r-- 1 ubuntu ubuntu  70 Apr  6 14:01 fileb
-rwxrwxrwx 1 root  root   14 Apr  6 14:12 fileg
-rw-rw-r-- 1 ubuntu ubuntu  43 Apr  6 14:53 log.text
-rw-rw-r-- 1 ubuntu ubuntu 134 Apr  5 20:59 mycv
-rw-r--r-- 1 ubuntu ubuntu 1716 Apr  5 18:56 oldpasswd
ubuntu@primary:~$
```

Q-17)

Ls -l | sort k5 -n

Q-18)

Grep -c "success" file_name

Q-19)

Touch file20

Sudo mseg > file20

Head -n 20 file10

Q-20)

```
ubuntu@primary:~$ cat file.csv
```

```
name,age,phone_number
bassem,25,01098
khaled,27,889438
ahmed,22,87809
islam,66,889
```

```
ubuntu@primary:~$ cut -d"," -f1 file.csv
```

```
name
bassem
khaled
ahmed
islam
```

```
ubuntu@primary:~$ █
```