1. To determine login shell.

```
sayeum@sayeum:~$ echo $SHELL
/bin/bash
sayeum@sayeum:~$
```

2. To find all available shells in a system type.

```
sayeum@sayeum:~$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/usr/bin/sh
/bin/dash
/usr/bin/dash
sayeum@sayeum:~$
```

3. To keep track of every registered user that has access to a system.

```
| SaveumBasyeum: 5 cat /etc/passwd
rootx:0:0:root:/root:/bin/bash
daemon.x:1:1:daemon.ivusr/sbin/losqin
bin:x:2:2:bin:/bin:/usr/sbin/losqin
sys:x:3:3:sys:/dev:/usr/sbin/losqin
sys:x:3:3:sys:/dev:/usr/sbin/losqin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:0:0:games:/usr/sames:/usr/sbin/nologin
nan:x:0:12:nan:/var/cache/han:/usr/sbin/nologin
pi:1:7:7:pi-yar/spool/plat/usr/sbin/shin/nologin
pi:1:7:7:pi-yar/spool/plat/usr/sbin/nologin
pi:1:7:7:pi-yar/spool/plat/usr/sbin/nologin
pi:1:7:7:pi-yar/spool/plat/usr/sbin/nologin
pi:1:7:pi-yar/spool/plat/usr/spool/usr/sbin/nologin
pi:1:7:pi-yar/spool/plat/usr/sbin/nologin
pi:1:7:pi-yar/spool/plat/usr/sbin/nologin
pi:1:7:pi-yar/spool/plat/usr/sbin/nologin
pi:1:7:pi-yar/spool/usr/spool/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
pi:1:x:x:33:33:wa-data:/var/backups:/usr/sbin/nologin
pi:1:x:x:33:33:wa-data:/var/backups:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
pi:1:x:x:33:33:wa-data:/var/backups:/usr/sbin/nologin
p
```

4. Use of Date command to see the date, also use of who and date command simultaneously and fetch this data in a file and use more command to see that data.

2022-10-09 13:58 (tty2)

5. Use of sed command to swap one word with another in each line of a file.

sayeum

tty2

```
GNU nano 6.2 sample.txt *
hello sayeum
hello hi sayeum
hi hello sayeum
```

```
sayeum@sayeum:~$ sed 's/hello/hi/g' sample.txt
hi sayeum
hi hi sayeum
hi hi sayeum
sayeum@sayeum:~$
```