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/sabin/losqin
lp:1:7:7:lp:/var/spool/lpt/usr/sbin/losqin
lp:1:7:risp:/sp:/var/spool/lpe:/usr/sbin/losqin
lp:1:7:risp:/sp:/var/spool/lpe:/usr/sbin/losqin
lp:1:7:risp:/sp:/var/spool/lpe:/usr/sbin/losqin
lp:1:7:risp:/sp:/var/spool/lpe:/usr/sbin/losqin
lp:1:7:risp:/sp:/var/spool/lpe:/usr/sbin/losqin
lp:1:7:xisp:/sp:/var/spool/lpe:/usr/sbin/losqin
lp:1:1:1:lp:/sp:/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp:/var/sp
```

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.

```
sayeum@sayeum:~$ date
Sunday 09 October 2022 02:18:33 PM IST
sayeum@sayeum:~$ date "+Year:%Y %nMonth:%M %nDay:%D"
Year:2022
Month:19
Day:10/09/22
sayeum@sayeum:~$ date "+Date:%D %nTime:%T"
Date:10/09/22
Time:14:19:50
sayeum@sayeum:~$ date | who | cat>>sample.txt
sayeum@sayeum:~$ more sample.txt
sayeum@sayeum:~$ more sample.txt
sayeum tty2 2022-10-09 13:58 (tty2)
```

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

```
sayeum@sayeum:-$ cat sample.txt
rahul 1234 12
vaibhav 4848 48
sayeum 3434 34
rahul 9797 97

sayeum@sayeum:-$ sed -e "s/\([^ ]*\) *\([^ ]*\)/\2 \1 /g" sample.txt
1234 rahul 12
4848 vaibhav 48
3434 sayeum 34
9797 rahul 97
```