

EXPERIMENT 2:

A) Use of appropriate command to determine your login shell

➤ **echo \$SHELL**

```
suraj@surajpandit:~$ echo $SHELL
/bin/bash
suraj@surajpandit:~$
```

B) To find all available shells in your system type by using appropriate command.

➤ **cat /etc/shells**

```
suraj@surajpandit:~$ 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
```

C) Use the /etc/passwd file to verify the result of part (B).

➤ `cat /etc/passwd`

```
mark:x:1001:1001:mark,,,:/home/mark:/bin/bash
[--] - [--] [--] [-----] [-----] [-----]
|         |         |         |         |         |
|         |         |         |         |         +--> 7. Login shell
|         |         |         |         +-----+--> 6. Home directory
|         |         |         +-----+--> 5. GECOS
|         |         +-----+--> 4. GID
|         +-----+--> 3. UID
|         +-----+--> 2. Password
+-----+--> 1. Username
```

D) Use the ‘who’ command and direct the result to a file called myfile1.txt and use the more command to see the content of myfile1.txt

- `who >myfile1.txt`
- `more myfile1.txt`

```
suraj@surajpandit:~$ who >myfile1.txt
suraj@surajpandit:~$ more myfile1.txt
suraj    tty2          2022-10-05 16:16 (tty2)
suraj@surajpandit:~$
```

E) Use the date and who commands, in one line, such that the output of date is displayed on the screen and the output of who is redirected to a file. Use the more command to check the content of that file.

- `date; who >myfile.txt`
- `more myfile.txt`

```
suraj@surajpandit:~$ date; who >myfile2.txt
Wednesday 05 October 2022 06:14:33 PM IST
suraj@surajpandit:~$ more myfile2.txt
suraj    tty2          2022-10-05 16:16 (tty2)
suraj@surajpandit:~$
```

F) Write a sed command that swaps the first and second words in each line in a file.

- `sed -e "s/([^\]*) *([^\]*)/\2 \1 /g" filename.txt`

```
suraj@surajpandit:~$ cat new.txt
suraj 1234
mike 1245
Kane 1474
suraj@surajpandit:~$ sed -e "s/([^\ ]*) *([^\ ]*)/\2 \1 /g" new.txt
1234 suraj
1245 mike
1474 Kane
```