

Experiment 2

- Use of appropriate command to determine your login shell.

```
aditya@ubuntu:~$ echo $SHELL
/bin/bash
aditya@ubuntu:~$
```

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

```
aditya@ubuntu:~$ 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
```

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

```
aditya@ubuntu:~$ cat /etc/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
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:102:105:nonexistent:/usr/sbin/nologin
systemd-timesync:x:103:106:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
```

- 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.

```
aditya@ubuntu:~$ date +"Current_Year_Is: %Y%nCurrent_Month_Is: %m%nCurrent_Day_is: %d%n" && who > who2.txt
Current_Year_Is: 2022
Current_Month_Is: 10
Current_Day_is: 03

aditya@ubuntu:~$ more who2.txt
aditya  :0      2022-10-03 09:40 (:0)
aditya@ubuntu:~$
```

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

```
aditya@ubuntu:~$ cat File1.txt
Aditya Vardhan Sharma
What Is Your Name
aditya@ubuntu:~$ sed -e "s/\([^ ]*\) *\([^ ]*\)/\2 \1 /g" File1.txt
Vardhan Aditya Sharma
Is What Your Name
```

