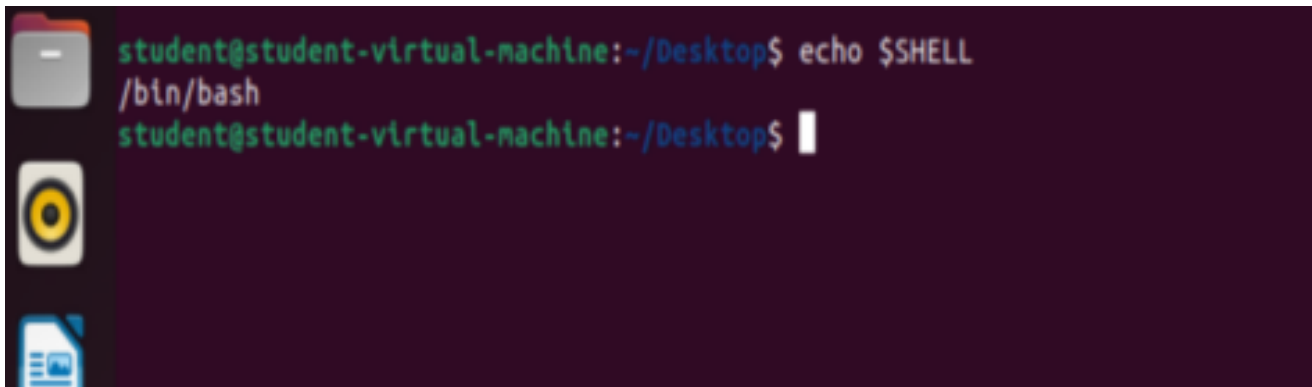


(a) To find your current shell

Command :- `$echo$Shell`

Output :-

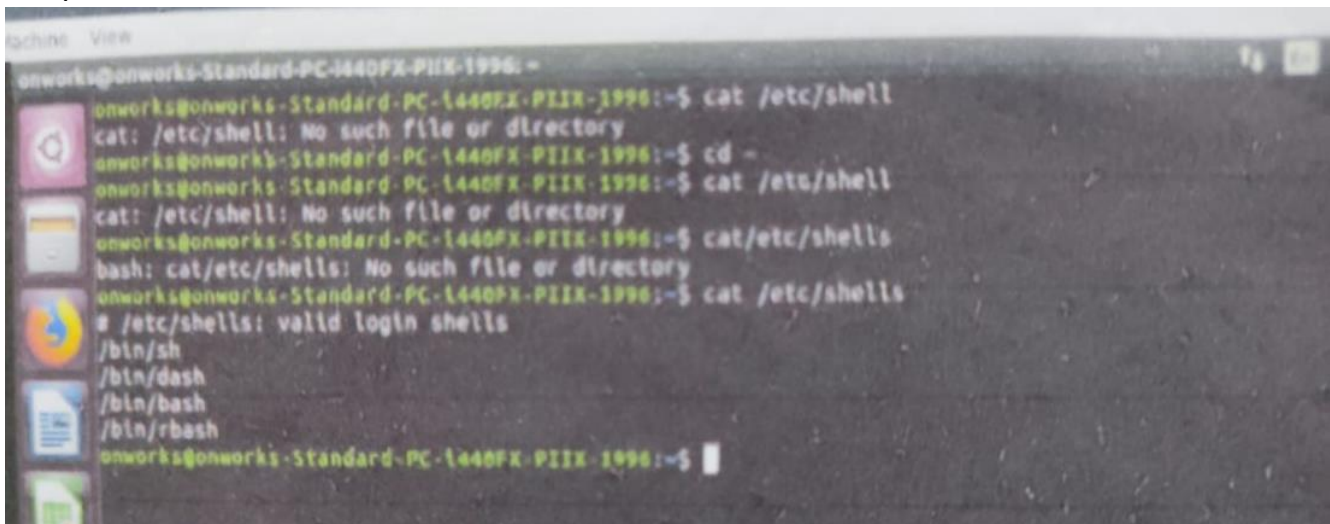


```
student@student-virtual-machine:~/Desktop$ echo $SHELL
/bin/bash
student@student-virtual-machine:~/Desktop$
```

(b) To find all available shells

Command :- `$cat/etc/shells`

Output :-




```
onworks@onworks-Standard-PC-1440FX-PIIX-1996:~$ cat /etc/shells
cat: /etc/shells: No such file or directory
onworks@onworks-Standard-PC-1440FX-PIIX-1996:~$ cd -
onworks@onworks-Standard-PC-1440FX-PIIX-1996:~$ cat /etc/shells
cat: /etc/shells: No such file or directory
onworks@onworks-Standard-PC-1440FX-PIIX-1996:~$ cat/etc/shells
bash: cat/etc/shells: No such file or directory
onworks@onworks-Standard-PC-1440FX-PIIX-1996:~$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/bin/dash
/bin/bash
/bin/rbash
onworks@onworks-Standard-PC-1440FX-PIIX-1996:~$
```

(c) Use of

Command :- `$cat/etc/passwd`

Output :-



```
mark:x:1001:1001:mark,,,:/home/mark:/bin/bash
```

Field	Meaning
1	Username
2	Password
3	UID
4	GID
5	GECOS
6	Home directory
7	Login shell

(d) Use of 'who', 'more'

Command :- \$who-H>myfile1.txt

\$more-d myfile1.txt

Output :-

```
Khushi@virtualbox:~$ who -H > myfile1.txt
Khushi@virtualbox:~$ more -d myfile1.txt
NAME      LINE      TIME      COMMENT
arjumand  tty2      2022-10-02 22:21 (tty2)
Khushi@virtualbox:~$
```

(e) Use of

Command :- \$date;who-H>myfile2.txt

More-d myfile2.txt

Output :-

```
Khushi@virtualbox:~$ date ; who -H > myfile1.txt
Sunday 02 October 2022 10:41:19 PM IST
Khushi@virtualbox:~$ more -d myfile2.txt
NAME      LINE      TIME      COMMENT
arjumand  tty2      2022-10-02 22:21 (tty2)
Khushi@virtualbox:~$
```

(f) To swap the first and second word in each line in a file

Command :- \$sed's/\([^]*\)\([^]*\)/\2\1/g' name of file

Output :-

```
student@student-virtual-machine: ~/Desktop
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

student@student-virtual-machine:~/Desktop$ cat > file1.txt
Good Morning
Everyone in
the class
student@student-virtual-machine:~/Desktop$ sed 's/\([^ ]*\)\([^ ]*\)/\2\1/g' file1.txt
sed: -e expression #1, char 25: unterminated 's' command
student@student-virtual-machine:~/Desktop$ sed 's/\([^ ]*\)\([^ ]*\)/\2\1/g' file1.txt
sed: -e expression #1, char 27: unterminated 's' command
student@student-virtual-machine:~/Desktop$ sed 's/\([^ ]*\)\([^ ]*\)/\2\1/g' file1.txt
Good Morning
Everyone in
the class
student@student-virtual-machine:~/Desktop$ sed -e"s/\([^ ]*\)\([^ ]*\)/\2\1/g" file1.txt
dGoo gMornin
eEveryon ni
eth sclas
student@student-virtual-machine:~/Desktop$
```