

Experiment – 2

- Use of appropriate command to determine your login shell.

```
sia@sia-VirtualBox: ~/folder1
sia@sia-VirtualBox:~/folder1$ echo $SHELL
/bin/bash
sia@sia-VirtualBox:~/folder1$ 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
sia@sia-VirtualBox:~/folder1$ date +"Current Year Is: %Y %nCurrent Month Is: %m %nCurrent Date Is: %d" ; who > nf1.txt
Current Year Is: 2022
Current Month Is: 10
Current Date Is: 25
sia@sia-VirtualBox:~/folder1$ more nf1.txt
sia      :0      2022-10-25 11:45 (:0)
sia@sia-VirtualBox:~/folder1$ cat a.txt
hello. myself sia.
ubuntu
i am currently enrolled in cse branch in miet.
i am in 3rd semester.
vm virtual box
sample text
sia@sia-VirtualBox:~/folder1$ sed -e"s/\([^\ ]*\) *\([^\ ]*\)/\2 \1 /g" a.txt
myself hello. sia.
ubuntu
am i currently enrolled in cse branch in miet.
am i in 3rd semester.
virtual vm box
text sample
sia@sia-VirtualBox:~/folder1$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type 'warranty'.
4+5
9
```

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

```
sia@sia-VirtualBox: ~/folder1
sia@sia-VirtualBox:~/folder1$ echo $SHELL
/bin/bash
sia@sia-VirtualBox:~/folder1$ 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
sia@sia-VirtualBox:~/folder1$ date +"Current Year Is: %Y %nCurrent Month Is: %m %nCurrent Date Is: %d" ; who > nf1.txt
Current Year Is: 2022
Current Month Is: 10
Current Date Is: 25
sia@sia-VirtualBox:~/folder1$ more nf1.txt
sia      :0      2022-10-25 11:45 (:0)
sia@sia-VirtualBox:~/folder1$ cat a.txt
hello. myself sia.
ubuntu
i am currently enrolled in cse branch in miet.
i am in 3rd semester.
vm virtual box
sample text
sia@sia-VirtualBox:~/folder1$ sed -e"s/\([^\ ]*\) *\([^\ ]*\)/\2 \1 /g" a.txt
myself hello. sia.
ubuntu
am i currently enrolled in cse branch in miet.
am i in 3rd semester.
virtual vm box
text sample
sia@sia-VirtualBox:~/folder1$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type 'warranty'.
4+5
9
```

- Use the date and who commands in one line such that the output of date is displayed on the screen and output of who is redirected to a file.

```
sia@sia-VirtualBox: ~/folder1
sia@sia-VirtualBox:~/folder1$ echo $SHELL
/bin/bash
sia@sia-VirtualBox:~/folder1$ 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
sia@sia-VirtualBox:~/folder1$ date +"Current Year Is: %Y %nCurrent Month Is: %m %nCurrent Date Is: %d" ; who > nf1.txt
Current Year Is: 2022
Current Month Is: 10
Current Date Is: 25
sia@sia-VirtualBox:~/folder1$ more nf1.txt
sia      :0      2022-10-25 11:45 (:0)
sia@sia-VirtualBox:~/folder1$ cat a.txt
hello. myself sia.
ubuntu
i am currently enrolled in cse branch in miet.
i am in 3rd semester.
vm virtual box
sample text
sia@sia-VirtualBox:~/folder1$ sed -e"s/\([^\ ]*\) *\([^\ ]*\)/\2 \1/g" a.txt
myself hello. sia.
ubuntu
am i currently enrolled in cse branch in miet.
am i in 3rd semester.
virtual vm box
text sample
sia@sia-VirtualBox:~/folder1$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type 'warranty'.
4+5
9
```

- Write sed command that swaps the first and second word in each line.

```
sia@sia-VirtualBox: ~/folder1
sia@sia-VirtualBox:~/folder1$ echo $SHELL
/bin/bash
sia@sia-VirtualBox:~/folder1$ 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
sia@sia-VirtualBox:~/folder1$ date +"Current Year Is: %Y %nCurrent Month Is: %m %nCurrent Date Is: %d" ; who > nf1.txt
Current Year Is: 2022
Current Month Is: 10
Current Date Is: 25
sia@sia-VirtualBox:~/folder1$ more nf1.txt
sia      :0      2022-10-25 11:45 (:0)
sia@sia-VirtualBox:~/folder1$ cat a.txt
hello. myself sia.
ubuntu
i am currently enrolled in cse branch in miet.
i am in 3rd semester.
vm virtual box
sample text
sia@sia-VirtualBox:~/folder1$ sed -e"s/\([^\ ]*\) *\([^\ ]*\)/\2 \1/g" a.txt
myself hello. sia.
ubuntu
am i currently enrolled in cse branch in miet.
am i in 3rd semester.
virtual vm box
text sample
sia@sia-VirtualBox:~/folder1$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type 'warranty'.
4+5
9
```