**Assignment – 7**

**Shell commands**

Task 1

1. Launch a terminal.

2. Use the who command and redirect the result to a file called file1. Use the more command to see

the contents of file1.

(base) shivanirudh@shiva-ideapad:~$ who>file1

(base) shivanirudh@shiva-ideapad:~$ more file1

shivanirudh :0 2019-09-08 15:09 (:0)

3. Use the date and who commands in sequence (in one line) so that the output of date will display on the screen and the output of who will be redirected to a file called file2. Use the more command to check the contents of file2. It should be the same as file1 unless someone logged in or logged off between the who commands.

(base) shivanirudh@shiva-ideapad:~$ date; who>file2

Sun Sep 8 23:08:28 IST 2019

(base) shivanirudh@shiva-ideapad:~$ more file2

shivanirudh :0 2019-09-08 15:09 (:0)

4. Use your command-line editor to recall the line you typed in step 3. Edit the line so that the output of both commands (date and who) are redirected to a file called file3. Use the more command to display the result.

(base) shivanirudh@shiva-ideapad:~$ (date;who)>file3

(base) shivanirudh@shiva-ideapad:~$ more file3

Sun Sep 8 23:09:05 IST 2019

shivanirudh :0 2019-09-08 15:09 (:0)

5. Use the command-line editor to recall the line typed in step 3. Edit the line so that the output of the first command (date) is redirected to a file called file4, while the result of the who command displays on the monitor without changing the relative positions of the date and who commands. Use the more command to verify the result.

(base) shivanirudh@shiva-ideapad:~$ date>file4;who

shivanirudh :0 2019-09-08 15:09 (:0)

(base) shivanirudh@shiva-ideapad:~$ more file4

Sun Sep 8 23:09:29 IST 2019

6. Make a duplicate of file3 and call it file3.bak

(base) shivanirudh@shiva-ideapad:~$ cp file3 file3.bak

(base) shivanirudh@shiva-ideapad:~$ more file3.bak

Sun Sep 8 23:09:05 IST 2019

shivanirudh :0 2019-09-08 15:09 (:0)

7. Use the command-line editor to recall the line created at step 5. Edit the line so that the word “date” will be misspelled as “bate”. Execute the edited command and append the result to file3.

(base) shivanirudh@shiva-ideapad:~$ (bate>file4;who)>>file3

Command 'bate' not found, did you mean:

command 'kate' from snap kate (19.04.0)

command 'date' from deb coreutils

command 'bat' from deb bacula-console-qt

command 'kate' from deb kate

command 'late' from deb late

command 'bats' from deb bats

See 'snap info <snapname>' for additional versions.

(base) shivanirudh@shiva-ideapad:~$ more file3

Sun Sep 8 23:09:05 IST 2019

shivanirudh :0 2019-09-08 15:09 (:0)

shivanirudh :0 2019-09-08 15:09 (:0)

8. Using command-line editing, recall the line created in step 7. Edit it so that the output goes to file4 and errors go to file5.

(base) shivanirudh@shiva-ideapad:~$ (bate;who) 1>file4 2>file5

(base) shivanirudh@shiva-ideapad:~$ more file4

shivanirudh :0 2019-09-08 15:09 (:0)

(base) shivanirudh@shiva-ideapad:~$ more file5

Command 'bate' not found, did you mean:

command 'kate' from snap kate (19.04.0)

command 'bat' from deb bacula-console-qt

command 'kate' from deb kate

command 'late' from deb late

command 'date' from deb coreutils

command 'bats' from deb bats

See 'snap info <snapname>' for additional versions.

9. Create a long list of the current directory and send the output to both the monitor and the file1

(base) shivanirudh@shiva-ideapad:~$ ls -l| tee file1

total 80

drwxr-xr-x 8 shivanirudh shivanirudh 4096 Aug 28 22:57 Desktop

drwxr-xr-x 2 shivanirudh shivanirudh 4096 Jul 18 22:01 Documents

drwxr-xr-x 2 shivanirudh shivanirudh 4096 Sep 8 23:00 Downloads

-rw-r--r-- 1 shivanirudh shivanirudh 8980 Jul 18 16:22 examples.desktop

-rw-rw-r-- 1 shivanirudh shivanirudh 47 Sep 8 23:07 file1

-rw-rw-r-- 1 shivanirudh shivanirudh 47 Sep 8 23:08 file2

-rw-rw-r-- 1 shivanirudh shivanirudh 123 Sep 8 23:10 file3

-rw-rw-r-- 1 shivanirudh shivanirudh 76 Sep 8 23:10 file3.bak

-rw-rw-r-- 1 shivanirudh shivanirudh 47 Sep 8 23:11 file4

-rw-rw-r-- 1 shivanirudh shivanirudh 310 Sep 8 23:11 file5

drwxr-xr-x 3 shivanirudh shivanirudh 4096 Jul 27 22:04 home

drwxr-xr-x 3 shivanirudh shivanirudh 4096 Sep 8 17:09 Music

drwxr-xr-x 2 shivanirudh shivanirudh 4096 Aug 28 22:14 Pictures

drwxr-xr-x 2 shivanirudh shivanirudh 4096 Jul 18 22:01 Public

drwxrwxr-x 2 shivanirudh shivanirudh 4096 Aug 10 13:47 seaborn-data

drwxr-xr-x 4 shivanirudh shivanirudh 4096 Aug 28 03:09 snap

drwxr-xr-x 2 shivanirudh shivanirudh 4096 Jul 18 22:01 Templates

drwxr-xr-x 2 shivanirudh shivanirudh 4096 Jul 18 22:01 Videos

10.Quit the terminal.