

Assignment for Linux skills

Format: Lab Session

Time: 90 mins

Instruction:

1. Complete the assignment and upload to git repo

1. Create a new directory called "practice" in your home directory.

```
mkdir practice
```

2. Inside the "practice" directory, create a new file called "file1.txt" and add some text to it.

```
cd practice
```

```
touch file1.txt
```

```
echo "some text" > file1.txt
```

3. Copy "file1.txt" to a new file called "file2.txt" in the same directory.

```
cp file1.txt file2.txt
```

4. Move "file2.txt" to a new directory called "backup" that is located inside the "practice" directory.

```
mkdir backup
```

```
mv file2.txt backup/
```

5. Create a new directory called "scripts" inside the "practice" directory.

```
cd practice
```

```
mkdir scripts
```

6. Create a new file called "myscript.sh" inside the "scripts" directory.

```
cd scripts
```

```
touch myscript.sh
```

7. Add the following code to "myscript.sh":

```
#!/bin/bash
```

```
nano myscript.sh
```

8. echo "Hello World!"

```
echo "Hello World!"
```

9. Make "myscript.sh" executable using the command "chmod +x myscript.sh".

```
chmod +x myscript.sh
```

10. Run "myscript.sh" using the command `./myscript.sh`.
`./myscript.sh`

11. Add a line to "myscript.sh" that creates a new file called "output.txt" in the same directory and writes the output of the "echo" command to it.
`echo "Hello World!" > output.txt`

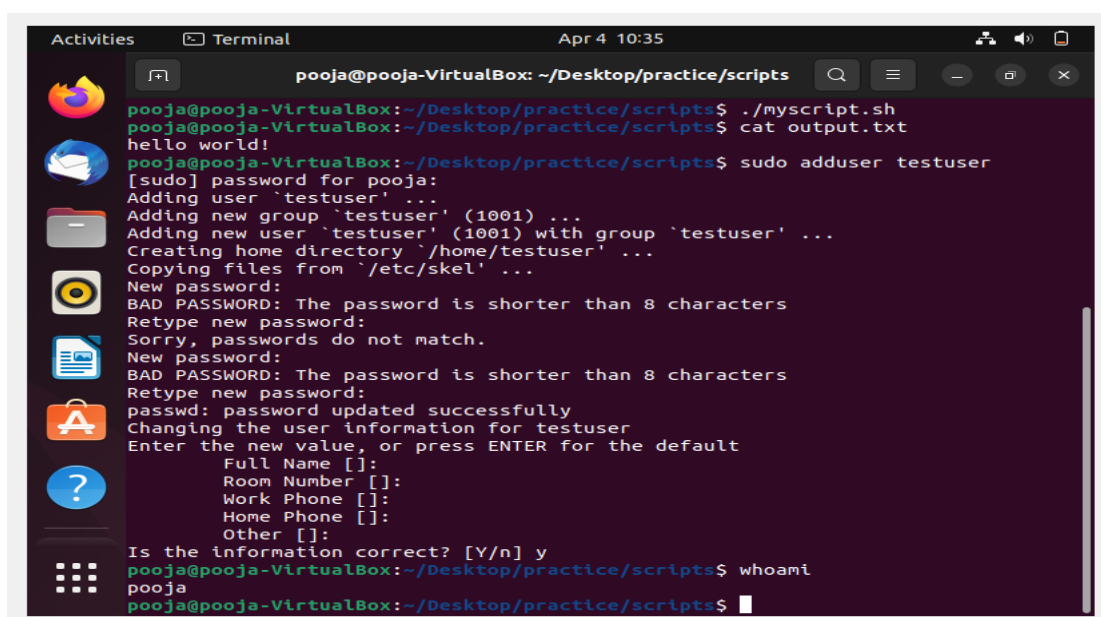
12. Run "myscript.sh" again and verify that "output.txt" has been created and contains the expected output.
`./myscript.sh`
`cat output.txt`

13. Create a new user account called "testuser".
`sudo adduser testuser`

14. Switch to the "test user" account using the command `su testuser`.
`su testuser`

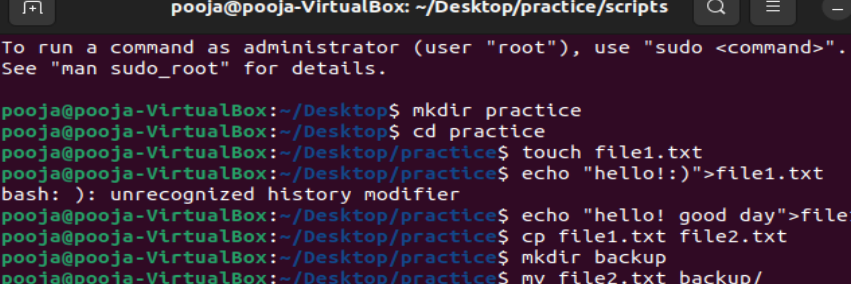
15. Verify that you are now logged in as "testuser" using the command `whoami`.
`Whoami`

16. Switch back to your original user account using the command `exit`.
`Exit`



```
Activities  Terminal  Apr 4 10:35
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts

pooja@pooja-VirtualBox:~/Desktop/practice/scripts$ ./myscript.sh
pooja@pooja-VirtualBox:~/Desktop/practice/scripts$ cat output.txt
hello world!
pooja@pooja-VirtualBox:~/Desktop/practice/scripts$ sudo adduser testuser
[sudo] password for pooja:
Adding user `testuser' ...
Adding new group `testuser' (1001) ...
Adding new user `testuser' (1001) with group `testuser' ...
Creating home directory `/home/testuser' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
Changing the user information for testuser
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] y
pooja@pooja-VirtualBox:~/Desktop/practice/scripts$ whoami
pooja
pooja@pooja-VirtualBox:~/Desktop/practice/scripts$
```



```
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

pooja@pooja-VirtualBox: ~/Desktop$ mkdir practice
pooja@pooja-VirtualBox: ~/Desktop$ cd practice
pooja@pooja-VirtualBox: ~/Desktop/practice$ touch file1.txt
pooja@pooja-VirtualBox: ~/Desktop/practice$ echo "hello! :)>">file1.txt
bash: ): unrecognized history modifier
pooja@pooja-VirtualBox: ~/Desktop/practice$ echo "hello! good day">file1.txt
pooja@pooja-VirtualBox: ~/Desktop/practice$ cp file1.txt file2.txt
pooja@pooja-VirtualBox: ~/Desktop/practice$ mkdir backup
pooja@pooja-VirtualBox: ~/Desktop/practice$ mv file2.txt backup/
pooja@pooja-VirtualBox: ~/Desktop/practice$ mkdir scripts
pooja@pooja-VirtualBox: ~/Desktop/practice$ cd scripts
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts$ touch myscript.sh
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts$ chmod +x myscript.sh
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts$ ./myscript.sh
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts$ echo "hello world!>">output.txt
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts$ ./myscript.sh
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts$ cat output.txt
hello world!
pooja@pooja-VirtualBox: ~/Desktop/practice/scripts$ sudo adduser testuser
[sudo] password for pooja:
Adding user `testuser' ...
Adding new group `testuser' (1001) ...
Adding new user `testuser' (1001) with group `testuser' ...
Creating home directory `/home/testuser' ...
Copying files from `/etc/skel' ...
```

