Assignment for Linux skills

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

```
rachana@rachana-VirtualBox:~/Desktop$ cd ~
rachana@rachana-VirtualBox:~$ cd practice
```

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

```
rachana@rachana-VirtualBox:~/Desktop$ cd ~
rachana@rachana-VirtualBox:~$ cd practice
rachana@rachana-VirtualBox:~/practice$ pluma file1.txt
rachana@rachana-VirtualBox:~/practice$ cat file1.txt
Hello World!!
rachana@rachana-VirtualBox:~/practice$
```

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

```
rachana@rachana-VirtualBox:~/Desktop$ cd ~
rachana@rachana-VirtualBox:~$ cd practice
rachana@rachana-VirtualBox:~/practice$ pluma file1.txt
rachana@rachana-VirtualBox:~/practice$ cat file1.txt
Hello World!!
rachana@rachana-VirtualBox:~/practice$ pluma file2.txt
rachana@rachana-VirtualBox:~/practice$ cat file2.txt
Hello World!!
rachana@rachana-VirtualBox:~/practice$
```

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

```
rachana@rachana-VirtualBox:~$ cd practice
rachana@rachana-VirtualBox:~/practice$ mv file2.txt backup/
rachana@rachana-VirtualBox:~/practice$
```

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

```
rachana@rachana-VirtualBox:~/practice$ mkdir scripts
rachana@rachana-VirtualBox:~/practice$ cd scripts
rachana@rachana-VirtualBox:~/practice/scripts$ pluma myscript.sh
```

6. Create a new file called "myscript.sh" inside the "scripts" directory.
7. Add the following code to "myscript.sh":
#!/bin/bash
8. echo "Hello World!"
9. Make "myscript.sh" executable using the command "chmod +x myscript.sh".

10. Run "myscript.sh" using the command "./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.
12. Run "myscript.sh" again and verify that "output.txt" has been created and contains the expected output.

```
rachana@rachana-VirtualBox:~/practice$ mkdir scripts
rachana@rachana-VirtualBox:~/practice$ cd scripts
rachana@rachana-VirtualBox:~/practice/scripts$ pluma myscript.sh
rachana@rachana-VirtualBox:~/practice/scripts$ chmod +x myscript.sh
rachana@rachana-VirtualBox:~/practice/scripts$ ./myscript.sh
Hello World!!
rachana@rachana-VirtualBox:~/practice/scripts$
```

13. Create a new user account called "testuser".
14. Switch to the "test user" account using the command "su testuser".
15. Verify that you are now logged in as "testuser" using the command "whoami".
16. Switch back to your original user account using the command "exit".

```
Hello World!!
rachana@rachana-VirtualBox:~/practice/scripts$ sudo adduser testuser
[sudo] password for rachana:
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:
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
rachana@rachana-VirtualBox:~/practice/scripts$ whoami
rachana
rachana@rachana-VirtualBox:~/practice/scripts$
```