

## **Linux assignment**

1. Create a new directory called "practice" in your home directory.
2. Inside the "practice" directory, create a new file called "fileA.txt" and add some text to it.
3. Copy "fileA.txt" to a new file called "fileB.txt" in the same directory.
4. Move "fileB.txt" to a new directory called "backup" that is located inside the "practice" directory.
5. Create a new directory called "scripts" inside the "practice" directory.
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.

13. Create a new user account called "testuser".

## OUTPUT :

```
prajith@ubuntu:~$ cd Desktop
prajith@ubuntu:~/Desktop$ mkdir ~/practise1
prajith@ubuntu:~/Desktop$ ls ~
Desktop  Downloads  Pictures  practise1  snap      Videos
Documents Music      practise Public      Templates
prajith@ubuntu:~/Desktop$ cd ~/practise1
prajith@ubuntu:~/practise1$ touch fileA.txt
prajith@ubuntu:~/practise1$ nano fileA.txt
prajith@ubuntu:~/practise1$ touch fileB.txt
prajith@ubuntu:~/practise1$ cp fileA.txt fileB
prajith@ubuntu:~/practise1$ ls
fileA.txt fileB fileB.txt
prajith@ubuntu:~/practise1$ cd ~/practise1
prajith@ubuntu:~/practise1$ mkdir backup1
prajith@ubuntu:~/practise1$ mv fileB backup1/
prajith@ubuntu:~/practise1$ ls backup1/
fileB
prajith@ubuntu:~/practise1$ mkdir scripts
prajith@ubuntu:~/practise1$ cd scripts
prajith@ubuntu:~/practise1/scripts$ touch myscripts.sh
prajith@ubuntu:~/practise1/scripts$ nano
prajith@ubuntu:~/practise1/scripts$ chmod +x myscripts.sh
prajith@ubuntu:~/practise1/scripts$ ls -l
total 4
-rwxrwxr-x 1 prajith prajith 9 Apr  4 10:59 myscripts.sh
prajith@ubuntu:~/practise1/scripts$ ./myscripts.sh
./myscripts.sh: line 1: hi: command not found
prajith@ubuntu:~/practise1/scripts$ cd ~/practise1
```

```
-rwxrwxr-x 1 prajith prajith 9 Apr  4 10:59 myscripts.sh
prajith@ubuntu:~/practise1/scripts$ ./myscripts.sh
./myscripts.sh: line 1: hi: command not found
prajith@ubuntu:~/practise1/scripts$ cd ~/practise1
prajith@ubuntu:~/practise1$ cd scripts
prajith@ubuntu:~/practise1/scripts$ nano myscripts.sh
prajith@ubuntu:~/practise1/scripts$ ./myscripts.sh
./myscripts.sh: line 1: hi: command not found
prajith@ubuntu:~/practise1/scripts$ su root
Password:
root@ubuntu:/home/prajith/practise1/scripts# visudo

Use "fg" to return to nano.

[1]+  Stopped                  visudo
root@ubuntu:/home/prajith/practise1/scripts# sudo adduser testuser
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
```

```
Changing the user information for testuser
Enter the new value, or press ENTER for the default
    Full Name []: prajith
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] Y
root@ubuntu:/home/prajith/practise1/scripts# su testuser
testuser@ubuntu:/home/prajith/practise1/scripts$ whoami
testuser
testuser@ubuntu:/home/prajith/practise1/scripts$ exit
exit
root@ubuntu:/home/prajith/practise1/scripts# su prajith
prajith@ubuntu:~/practise1/scripts$
```