Assignment for Linux skills

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

```
impana@ubuntu:~$ mkdir practice
```

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

```
impana@ubuntu:~$ cd practice
impana@ubuntu:~/practice$ cat > file1.txt
Welcome to Tecnotree
^Z
[1]+  Stopped                 cat > file1.txt
impana@ubuntu:~/practice$ cat file.txt
cat: file.txt: No such file or directory
impana@ubuntu:~/practice$ cat file1.txt
Welcome to Tecnotree
```

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

```
impana@ubuntu:~/practice$ cp file1.txt file2.txt
```

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

```
impana@ubuntu:~/practice$ mkdir backup
impana@ubuntu:~/practice$ mv file2.txt backup/
impana@ubuntu:~/practice$ cd backup
impana@ubuntu:~/practice/backup$ cat file2.txt
Welcome to Tecnotree
```

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

```
impana@ubuntu:~/practice$ mkdir scripts
```

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

```
impana@ubuntu:~/practice$ cd scripts
impana@ubuntu:~/practice/scripts$ nano myscript.sh
```

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

   #!/bin/bash

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

8. echo "Hello World!"

```
echo "Impana"
```

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

```
impana@ubuntu:~/practice/scripts$ chmod +x myscript.sh
```

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

```
impana@ubuntu:~/practice/scripts$ ./myscript.sh
Impana
```

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.

```
#!/bin/bash
echo "Impana"
echo "Welcome to tecnotree" > output.txt
```

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

```
impana@ubuntu:~/practice/scripts$ ./myscript.sh
Impana
impana@ubuntu:~/practice/scripts$ cat output.txt
Welcome to tecnotree
```

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

```
impana@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu:/home/impana/practice/scripts# visudo


Use "fg" to return to nano.

[1]+  Stopped                 visudo
root@ubuntu:/home/impana/practice/scripts# sudo adduser impanavp
Adding user `impanavp' ...
Adding new group `impanavp' (1002) ...
Adding new user `impanavp' (1002) with group `impanavp' ...
Creating home directory `/home/impanavp' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
Changing the user information for impanavp
Enter the new value, or press ENTER for the default
        Full Name []: Impana V P
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] Y
```

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

```
root@ubuntu:/home/impana/practice/scripts# su impanavp
```

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

```
impanavp@ubuntu:/home/impana/practice/scripts$ whoami
impanavp
```

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

```
impanavp@ubuntu:/home/impana/practice/scripts$ exit
exit
root@ubuntu:/home/impana/practice/scripts# su impana
impana@ubuntu:~/practice/scripts$
```