

1. Create a new directory called "practice" in your home directory.
2. Inside the "practice" directory, create a new file called "file1.txt" and add some text to it.
3. Copy "file1.txt" to a new file called "file2.txt" in the same directory.
4. Move "file2.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. echo "Hello World!"`.
8. Make "myscript.sh" executable using the command `chmod +x myscript.sh`.
9. Run "myscript.sh" using the command `./myscript.sh`.
10. 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.
11. Run "myscript.sh" again and verify that "output.txt" has been created and contains the expected output.

```
poorvika@ubuntu:~$ mkdir practice
poorvika@ubuntu:~$ cd practice
poorvika@ubuntu:~/practice$ echo "Technology training on Linux" > file1.txt
poorvika@ubuntu:~/practice$ cat file1.txt
Technology training on Linux
poorvika@ubuntu:~/practice$ cp file1.txt file2.txt
poorvika@ubuntu:~/practice$ cat file2.txt
Technology training on Linux
poorvika@ubuntu:~/practice$ cat file1.txt
Technology training on Linux
poorvika@ubuntu:~/practice$ mkdir backup
poorvika@ubuntu:~/practice$ mv file2.txt backup/
poorvika@ubuntu:~/practice$ ls
backup  file1.txt
poorvika@ubuntu:~/practice$ cd backup
poorvika@ubuntu:~/practice/backup$ ls
file2.txt
poorvika@ubuntu:~/practice/backup$ cd practice
bash: cd: practice: No such file or directory
poorvika@ubuntu:~/practice/backup$ cd ..
poorvika@ubuntu:~/practice$ mkdir scripts
poorvika@ubuntu:~/practice$ cd scripts
poorvika@ubuntu:~/practice/scripts$ nano myscript.sh
poorvika@ubuntu:~/practice/scripts$ chmod +x myscript.sh
poorvika@ubuntu:~/practice/scripts$ ./myscript.sh
Tecnotree Convergence pvt ltd
poorvika@ubuntu:~/practice/scripts$ nano myscript.sh
poorvika@ubuntu:~/practice/scripts$ ./myscript.sh
poorvika@ubuntu:~/practice/scripts$ cat output.txt
Tecnotree Convergence pvt ltd
```

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

```
root@ubuntu: /home/poorvika/practice/scripts
root@ubuntu: /home/poorvika/practice/scripts
poorvika@ubuntu:~/practice/scripts$
poorvika@ubuntu:~/practice/scripts$ ^C
poorvika@ubuntu:~/practice/scripts$ ^C
poorvika@ubuntu:~/practice/scripts$
poorvika@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu: /home/poorvika/practice/scripts# visudo
visudo: /etc/sudoers.tmp unchanged
root@ubuntu: /home/poorvika/practice/scripts# visudo

Use "fg" to return to nano.

[1]+  Stopped                  visudo
root@ubuntu: /home/poorvika/practice/scripts# sudo adduser newuser
Adding user 'newuser' ...
Adding new group 'newuser' (1001) ...
Adding new user 'newuser' (1001) with group 'newuser' ...
Creating home directory '/home/newuser' ...
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 newuser
Enter the new value, or press ENTER for the default
  Full Name []: poorvika
    Room Number []:
    Work Phone []:
    Home Phone []:
      Other []:
Is the information correct? [Y/n] y
root@ubuntu: /home/poorvika/practice/scripts# su newuser
newuser@ubuntu: /home/poorvika/practice/scripts$ whoami
newuser
newuser@ubuntu: /home/poorvika/practice/scripts$ exit
exit
```