

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
```
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".
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".

```
saniya@Ubuntu: ~/Desktop
saniya@Ubuntu:~/Desktop$ mkdir practice
```

```
saniya@Ubuntu:~/Desktop$ cd practice
saniya@Ubuntu:~/Desktop/practice$ touch file1.txt
saniya@Ubuntu:~/Desktop/practice$ cat >> file1.txt
hello world!!!!
saniya@Ubuntu:~/Desktop/practice$ more file1.txt
hello world!!!!
saniya@Ubuntu:~/Desktop/practice$ touch file2.txt
```

```
saniya@Ubuntu:~/Desktop/practice$ mv file1.txt file2.txt
saniya@Ubuntu:~/Desktop/practice$ more file2.txt
hello world!!!!
```

```
saniya@Ubuntu:~/Desktop/practice$ mkdir backup
saniya@Ubuntu:~/Desktop/practice$ mv file2.txt backup
saniya@Ubuntu:~/Desktop/practice$ more backup
```

```
*** backup: directory ***
saniya@Ubuntu:~/Desktop/practice$ cd backup
saniya@Ubuntu:~/Desktop/practice/backup$ ls
file2.txt
saniya@Ubuntu:~/Desktop/practice/backup$ more file2.txt
hello world!!!!
saniya@Ubuntu:~/Desktop/practice/backup$
```

```
saniya@Ubuntu:~/Desktop/practice/backup$ cd -
/home/saniya/Desktop/practice
saniya@Ubuntu:~/Desktop/practice$ mkdir scripts
saniya@Ubuntu:~/Desktop/practice$ touch myscript.sh
saniya@Ubuntu:~/Desktop/practice$ cat >>myscript.sh
#!/bin/bash
echo "Hello World!"
saniya@Ubuntu:~/Desktop/practice$ more myscript.sh
#!/bin/bash
echo "Hello World!"
saniya@Ubuntu:~/Desktop/practice$
```

```
saniya@Ubuntu:~/Desktop/practice$ chmod +x myscript.sh
saniya@Ubuntu:~/Desktop/practice$ ./myscript.sh
Hello World!
saniya@Ubuntu:~/Desktop/practice$
```

```
saniya@Ubuntu:~/Desktop/practice$ cd scripts
saniya@Ubuntu:~/Desktop/practice/scripts$ more myscript.sh
#!/bin/bash
echo "Hello World!"
echo "hii" >>output.txt
saniya@Ubuntu:~/Desktop/practice/scripts$ ./myscript.sh
Hello World!
saniya@Ubuntu:~/Desktop/practice/scripts$ output.txt
output.txt: command not found
saniya@Ubuntu:~/Desktop/practice/scripts$ more output.txt
hii
saniya@Ubuntu:~/Desktop/practice/scripts$
```

```
saniya@Ubuntu: ~/Desktop
saniya@Ubuntu:~/Desktop$ su root
Password:
root@Ubuntu:/home/saniya/Desktop# su adduser testuser
su: user adduser does not exist or the user entry does not contain all the required fields
root@Ubuntu:/home/saniya/Desktop# 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:
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 []: NewUser
Room Number []:
Work Phone []:
Home Phone []:
Other []:
Is the information correct? [Y/n] y
root@Ubuntu:/home/saniya/Desktop# su newuser
su: user newuser does not exist or the user entry does not contain all the required fields
root@Ubuntu:/home/saniya/Desktop# su testuser
testuser@Ubuntu:/home/saniya/Desktop$ whoami
testuser
```

```
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 []: NewUser
Room Number []:
Work Phone []:
Home Phone []:
Other []:
Is the information correct? [Y/n] y
root@Ubuntu:/home/saniya/Desktop# su newuser
su: user newuser does not exist or the user entry does not contain all the required fields
root@Ubuntu:/home/saniya/Desktop# su testuser
testuser@Ubuntu:/home/saniya/Desktop$ whoami
testuser
testuser@Ubuntu:/home/saniya/Desktop$ exit
exit
root@Ubuntu:/home/saniya/Desktop# su Saniya
su: user Saniya does not exist or the user entry does not contain all the required fields
root@Ubuntu:/home/saniya/Desktop# su saniya
saniya@Ubuntu:~/Desktop$ whoami
saniya
saniya@Ubuntu:~/Desktop$
```