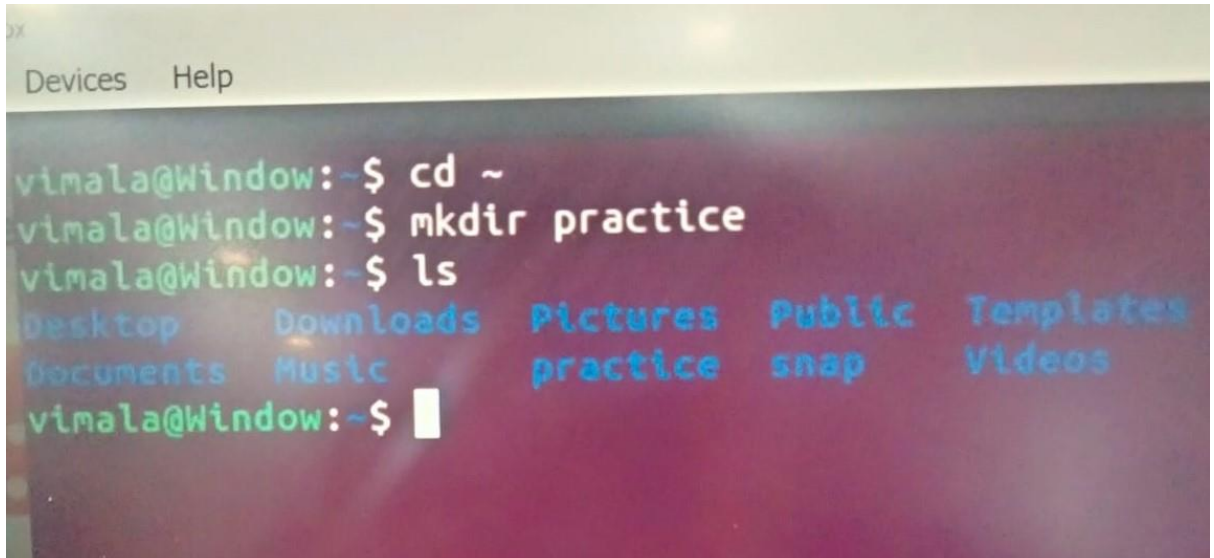
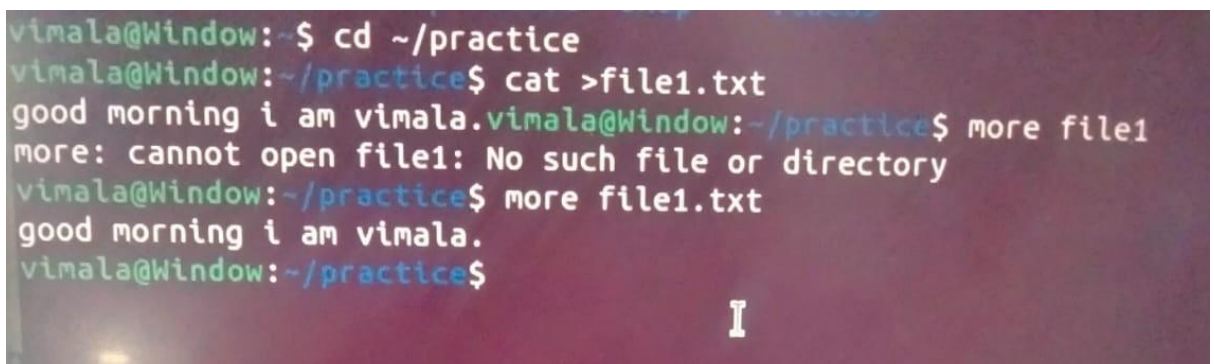


1. Create a new directory called "practice" in your home directory

A terminal window with a dark background and light-colored text. At the top, there are tabs labeled 'Devices' and 'Help'. The terminal shows a series of commands: 'cd ~', 'mkdir practice', and 'ls'. The output of 'ls' lists several directories: Desktop, Downloads, Pictures, Public, Templates, Documents, Music, practice, snap, and Videos. The prompt 'vimala@Window:~\$' is visible at the end of each line.

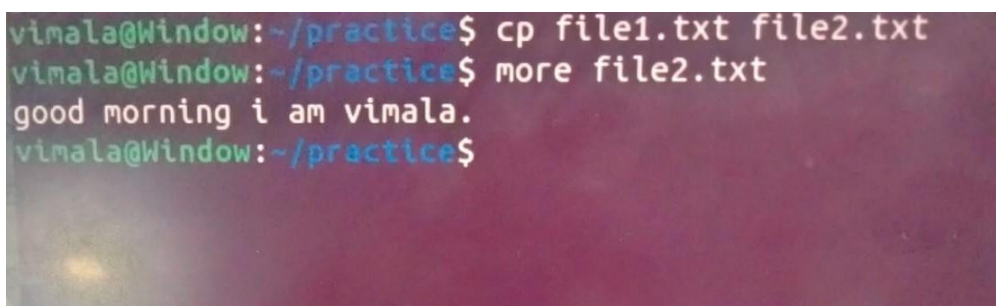
```
vimala@Window:~$ cd ~
vimala@Window:~$ mkdir practice
vimala@Window:~$ ls
Desktop    Downloads  Pictures   Public    Templates
Documents  Music      practice   snap      Videos
vimala@Window:~$
```

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

A terminal window showing the process of creating and viewing a file. The user navigates to the 'practice' directory with 'cd ~/practice'. Then, they use 'cat >file1.txt' to create a file and add the text 'good morning i am vimala.'. They attempt to view the file with 'more file1', which fails with an error message. Finally, they use 'more file1.txt' to view the file's contents. The prompt 'vimala@Window:~/practice\$' is visible at the end of each line.

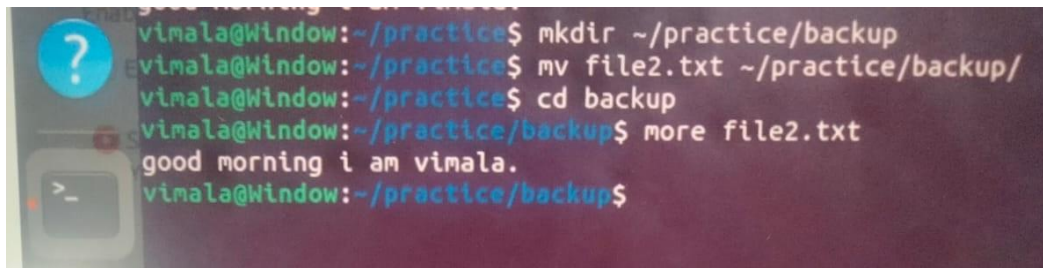
```
vimala@Window:~$ cd ~/practice
vimala@Window:~/practice$ cat >file1.txt
good morning i am vimala.vimala@Window:~/practice$ more file1
more: cannot open file1: No such file or directory
vimala@Window:~/practice$ more file1.txt
good morning i am vimala.
vimala@Window:~/practice$
```

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

A terminal window showing the copying of a file. The user is in the 'practice' directory and runs 'cp file1.txt file2.txt'. They then use 'more file2.txt' to view the contents of the new file, which shows 'good morning i am vimala.'. The prompt 'vimala@Window:~/practice\$' is visible at the end of each line.

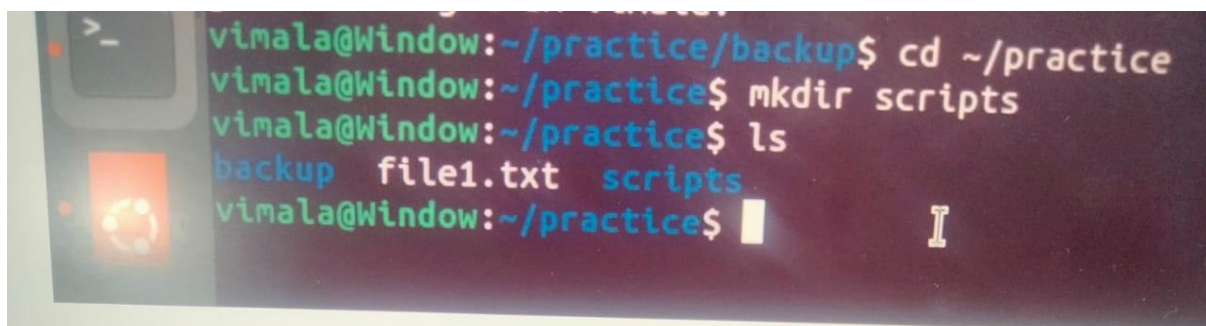
```
vimala@Window:~/practice$ cp file1.txt file2.txt
vimala@Window:~/practice$ more file2.txt
good morning i am vimala.
vimala@Window:~/practice$
```

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



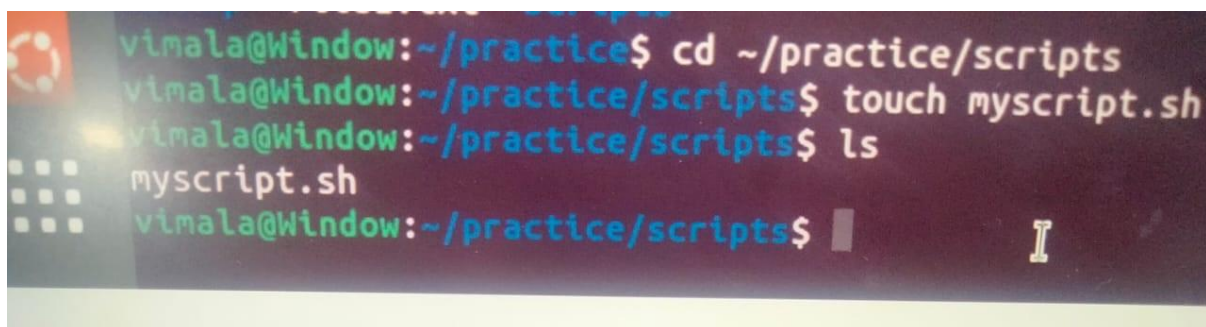
```
vimala@Window:~/practice$ mkdir ~/practice/backup
vimala@Window:~/practice$ mv file2.txt ~/practice/backup/
vimala@Window:~/practice$ cd backup
vimala@Window:~/practice/backup$ more file2.txt
good morning i am vimala.
vimala@Window:~/practice/backup$
```

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



```
vimala@Window:~/practice/backup$ cd ~/practice
vimala@Window:~/practice$ mkdir scripts
vimala@Window:~/practice$ ls
backup file1.txt scripts
vimala@Window:~/practice$
```

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



```
vimala@Window:~/practice$ cd ~/practice/scripts
vimala@Window:~/practice/scripts$ touch myscript.sh
vimala@Window:~/practice/scripts$ ls
myscript.sh
vimala@Window:~/practice/scripts$
```

7. Add the following code to "myscript.sh": #!/bin/bash



```
vimala@Window:~/practice/scripts$ cat >myscript.sh
#!/bin/bash
vimala@Window:~/practice/scripts$ more myscript.sh
#!/bin/bash
vimala@Window:~/practice/scripts$
```

8. echo "Hello World!"


```

vimala@Window:~/practice$ ls
backup  file1.txt  scripts
vimala@Window:~/practice$ cd ~/practice/scripts
vimala@Window:~/practice/scripts$ touch myscript.sh
vimala@Window:~/practice/scripts$ ls
myscript.sh
vimala@Window:~/practice/scripts$ cat >myscript.sh
#!/bin/bash
vimala@Window:~/practice/scripts$ more myscript.sh
#!/bin/bash
vimala@Window:~/practice/scripts$ echo "Hello World"
Hello World
vimala@Window:~/practice/scripts$

```

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

```

vimala@Window:~/practice/backup$ cd ~/practice
vimala@Window:~/practice$ mkdir scripts
vimala@Window:~/practice$ ls
backup  file1.txt  scripts
vimala@Window:~/practice$ cd ~/practice/scripts
vimala@Window:~/practice/scripts$ touch myscript.sh
vimala@Window:~/practice/scripts$ ls
myscript.sh
vimala@Window:~/practice/scripts$ cat >myscript.sh
#!/bin/bash
vimala@Window:~/practice/scripts$ more myscript.sh
#!/bin/bash
vimala@Window:~/practice/scripts$ echo "Hello World"
Hello World
vimala@Window:~/practice/scripts$ chmod +x myscript.sh
vimala@Window:~/practice/scripts$

```

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

```

A good morning i am vimala.
vimala@Window:~/practice/backup$ cd ~/practice
vimala@Window:~/practice$ mkdir scripts
vimala@Window:~/practice$ ls
backup  file1.txt  scripts
vimala@Window:~/practice$ cd ~/practice/scripts
vimala@Window:~/practice/scripts$ touch myscript.sh
vimala@Window:~/practice/scripts$ ls
myscript.sh
vimala@Window:~/practice/scripts$ cat >myscript.sh
#!/bin/bash
vimala@Window:~/practice/scripts$ more myscript.sh
#!/bin/bash
vimala@Window:~/practice/scripts$ echo "Hello World"
Hello World
vimala@Window:~/practice/scripts$ chmod +x myscript.sh
vimala@Window:~/practice/scripts$ ./myscript.sh
vimala@Window:~/practice/scripts$

```

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.

```
vimala@Window:~/practice/scripts$ cat >myscript.sh
echo "Hello World" >output.txt
vimala@Window:~/practice/scripts$ more myscript.sh
echo "Hello World" >output.txt
vimala@Window:~/practice/scripts$ ./myscript.sh
vimala@Window:~/practice/scripts$ sudo adduser testuser
```

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

```
vimala@Window:~/practice/scripts$ cat >myscript.sh
echo "Hello World" >output.txt
vimala@Window:~/practice/scripts$ more myscript.sh
echo "Hello World" >output.txt
vimala@Window:~/practice/scripts$ ./myscript.sh
vimala@Window:~/practice/scripts$ sudo adduser testuser
```

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

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
  Full Name []: TestUser
   Room Number []: 1
    Work Phone []:
    Home Phone []:
      Other []:
Is the information correct? [Y/n] y
```

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

```
ankitha@ankitha-VirtualBox: ~/Practice
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 []: TestUser
    Room Number []: 1
    Work Phone []:
    Home Phone []:
      Other []:
Is the information correct? [Y/n] y
ankitha@ankitha-VirtualBox: ~/Practice$ su testuser
Password:
testuser@ankitha-VirtualBox: /home/ankitha/Practice$ whoami
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".

```
ankitha@ankitha-VirtualBox: ~/Practice
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 []: TestUser
    Room Number []: 1
    Work Phone []:
    Home Phone []:
      Other []:
Is the information correct? [Y/n] y
ankitha@ankitha-VirtualBox: ~/Practice$ su testuser
Password:
testuser@ankitha-VirtualBox: /home/ankitha/Practice$ whoami
testuser
```