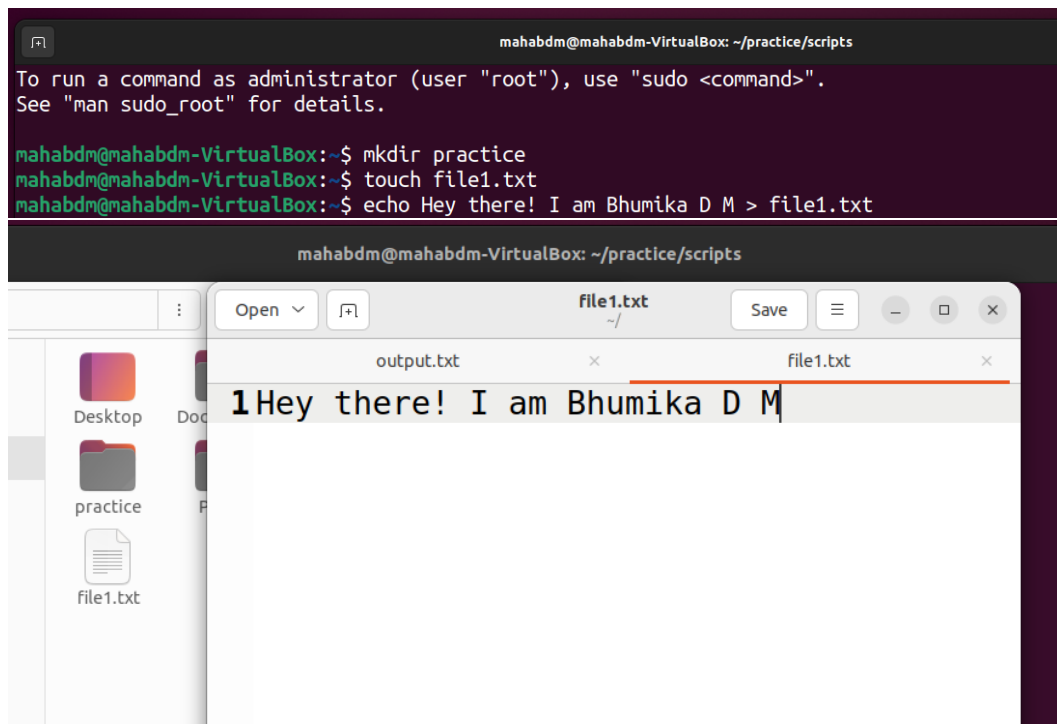


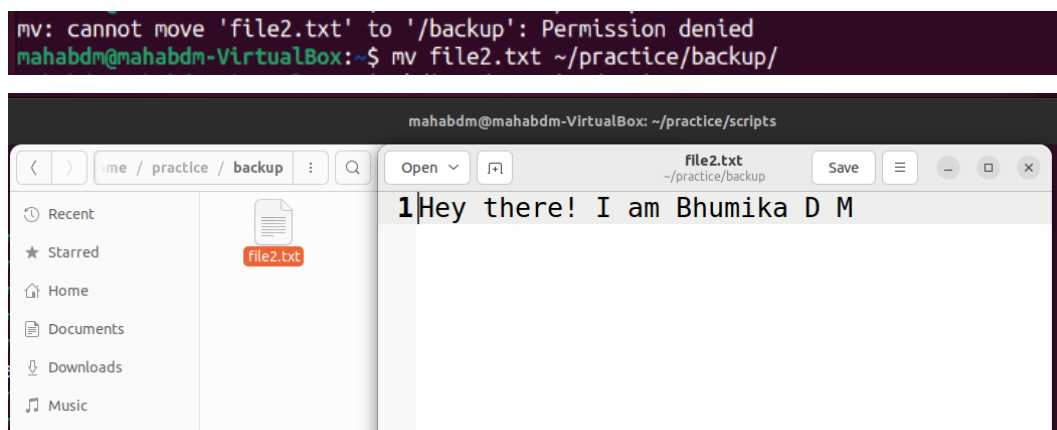
Assignment-1

for Linux

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.



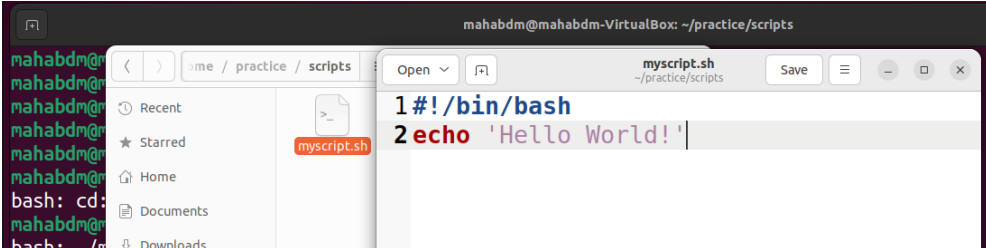
4. Move "file2.txt" to a new directory called "backup" that is located inside the "practice" directory.



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":

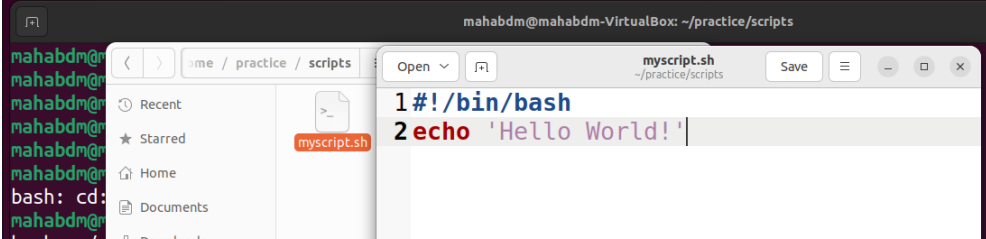
```
#!/bin/bash
```

```
mahabdm@mahabdm-VirtualBox:~$ mkdir ~/practice/scripts
mahabdm@mahabdm-VirtualBox:~$ touch ~/practice/scripts/myscript.sh
mahabdm@mahabdm-VirtualBox:~$ echo '#!/bin/bash' >> ~/practice/scripts/myscript.sh
```



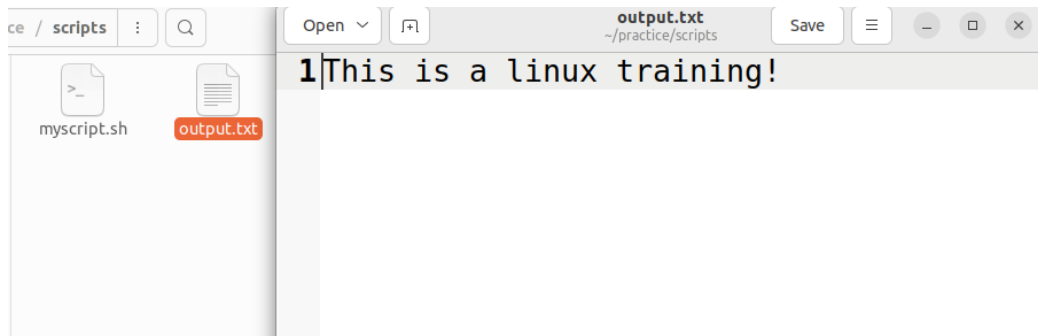
8. echo "Hello World!"
9. Make "myscript.sh" executable using the command "chmod +x myscript.sh".
10. Run "myscript.sh" using the command "./myscript.sh".

```
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ cat myscript.sh
#!/bin/bash
Hello World!
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ chmod 777 myscript.sh
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ ./myscript.sh
./myscript.sh: line 2: Hello: command not found
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ ./myscript.sh
./myscript.sh: line 2: Hello: command not found
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ ./myscript.sh
Hello World!
```



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.

```
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ ls -la
total 12
drwxrwxr-x 2 mahabdm mahabdm 4096 Apr  4 11:17 .
drwxrwxr-x 4 mahabdm mahabdm 4096 Apr  4 11:05 ..
-rwxrwxrwx 1 mahabdm mahabdm  32 Apr  4 11:17 myscript.sh
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ echo 'This is a linux training!' > output.txt
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ ./myscript.sh
Hello World!
```



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".

```
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ sudo useradd -m testuser
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ sudo passwd testuser
New password:
Retype new password:
passwd: password updated successfully
mahabdm@mahabdm-VirtualBox:~/practice/scripts$ su testuser
Password:
$ whoami
testuser
$ exit
mahabdm@mahabdm-VirtualBox:~/practice/scripts$
```