

V I S H W A S C P

Assignment for Linux skills

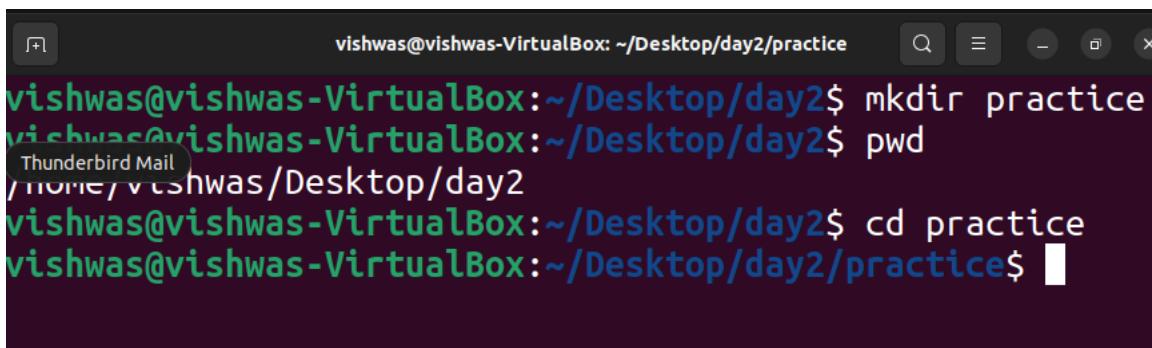
Format:Lab Session

Time:90 mins

Instruction:

- 1.Complete the assignment and also upload the solutions in your Git repo**
- 2.Take screenshot of the solution and paste it in word document**
- 3.COn**

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



```
vishwas@vishwas-VirtualBox:~/Desktop/day2$ mkdir practice
vishwas@vishwas-VirtualBox:~/Desktop/day2$ pwd
/home/vishwas/Desktop/day2
vishwas@vishwas-VirtualBox:~/Desktop/day2$ cd practice
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$
```

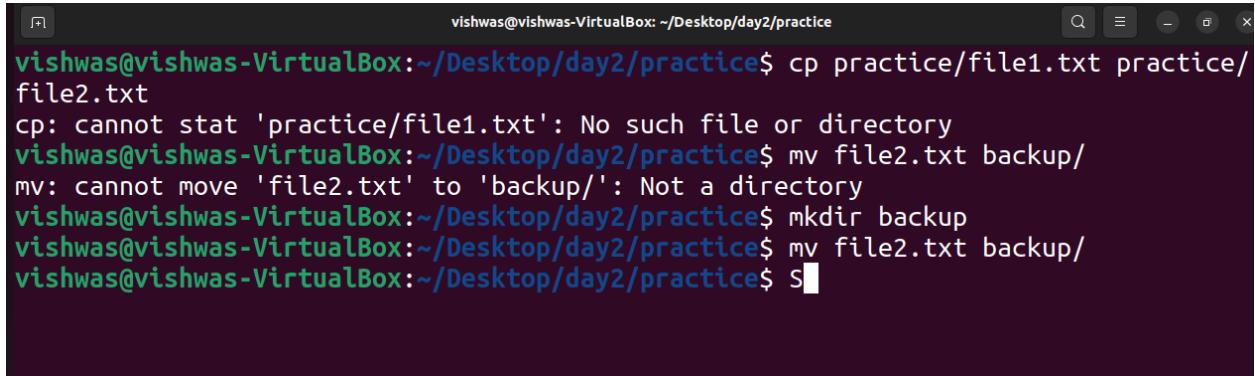
- Inside the "practice" directory, create a new file called "file1.txt" and add some text to it.

```
vishwas@vishwas-VirtualBox:~/Desktop/day2$ mkdir practice
vishwas@vishwas-VirtualBox:~/Desktop/day2$ pwd
/home/vishwas/Desktop/day2
vishwas@vishwas-VirtualBox:~/Desktop/day2$ cd practice
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ ^[[20
0~touch practice/file1.txt
touch: command not found
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ pluma
file1.txt
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$
```

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

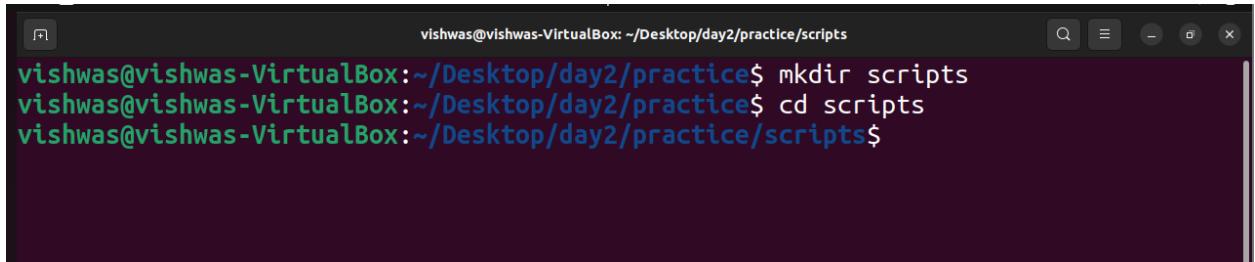
```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ cp practice/file1.
txt practice/file2.txt
cp: cannot stat 'practice/file1.txt': No such file or directory
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ cp file1.txt file2
.txt
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$
```

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



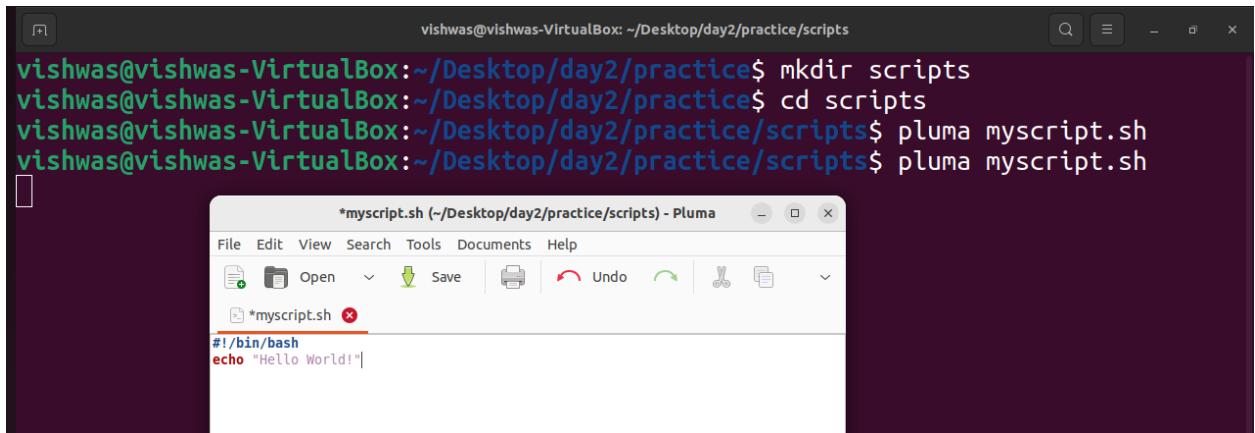
```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ cp practice/file1.txt practice/
file2.txt
cp: cannot stat 'practice/file1.txt': No such file or directory
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ mv file2.txt backup/
mv: cannot move 'file2.txt' to 'backup/': Not a directory
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ mkdir backup
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ mv file2.txt backup/
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ S
```

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



```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ mkdir scripts
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ cd scripts
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$
```

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



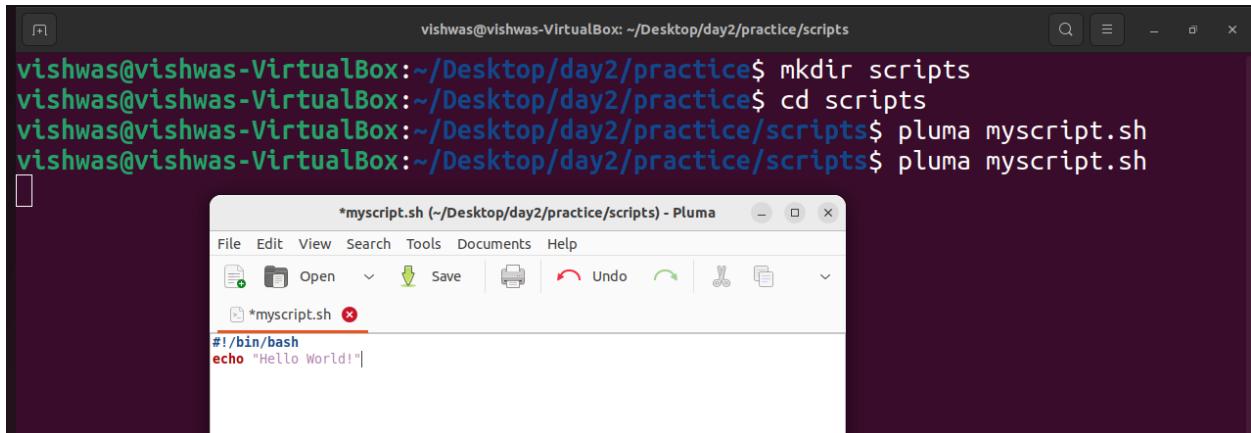
```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ mkdir scripts
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ cd scripts
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ pluma myscript.sh
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ pluma myscript.sh
```

The image also shows a screenshot of the Pluma text editor window titled "*myscript.sh (~/Desktop/day2/practice/scripts) - Pluma". The editor contains the following code:

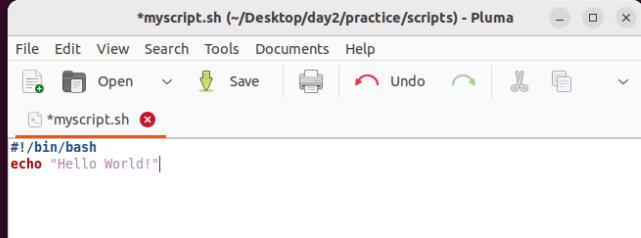
```
#!/bin/bash
echo "Hello World!"
```

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

```
#!/bin/bash  
echo "Hello World!"
```

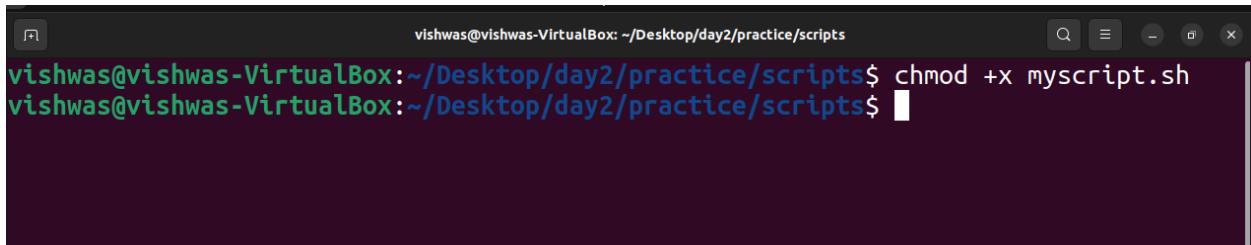


```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ mkdir scripts  
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice$ cd scripts  
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ pluma myscript.sh  
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ pluma myscript.sh
```

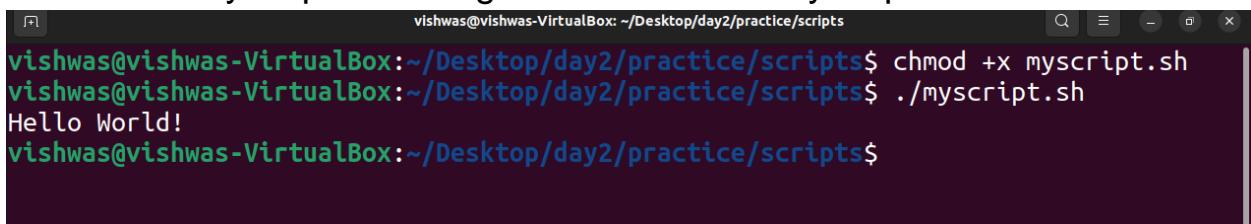
```
*myscript.sh (~/Desktop/day2/practice/scripts) - Pluma  
File Edit View Search Tools Documents Help  
Open Save Undo Redo Cut Copy Paste  
*myscript.sh  
#!/bin/bash  
echo "Hello World!"
```

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



```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ chmod +x myscript.sh  
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$
```

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



```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ chmod +x myscript.sh  
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ ./myscript.sh  
Hello World!  
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$
```

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.

The terminal window shows the following commands:

```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ chmod +x myscript.sh
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ ./myscript.sh
Hello World!
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ pluma myscript.sh
```

A file named "myscript.sh" is open in the Pluma text editor. The code contains:

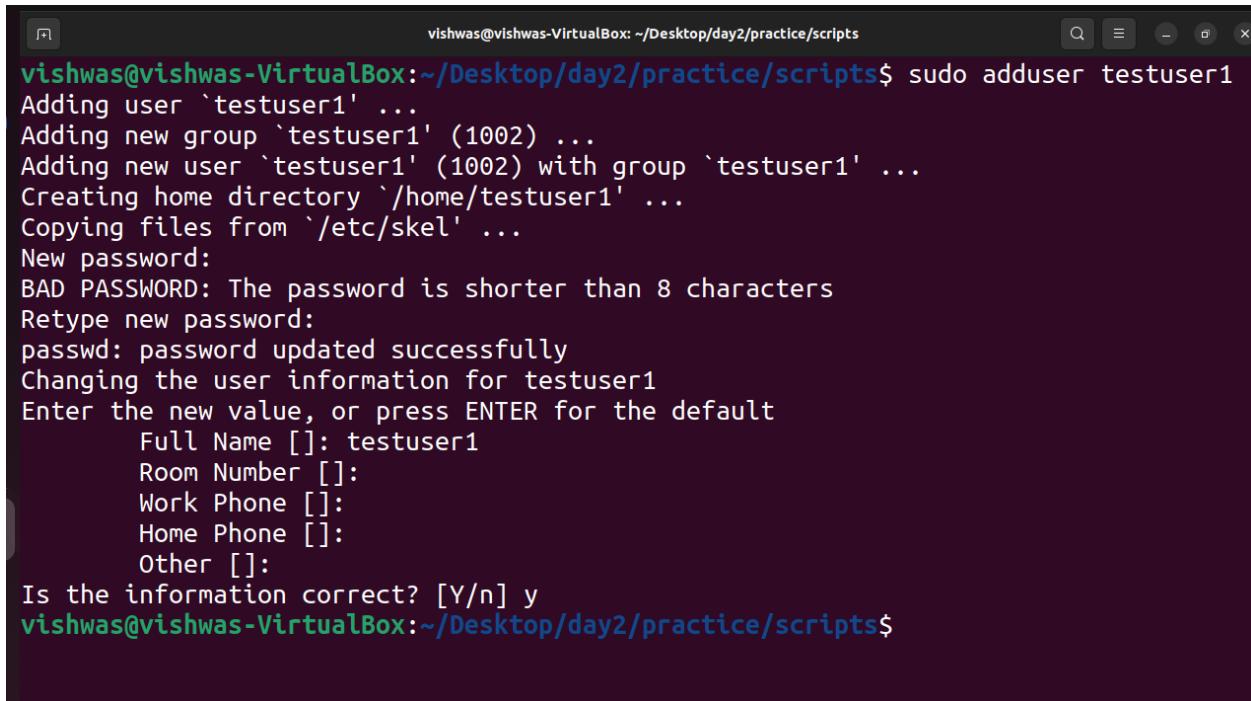
```
#!/bin/bash
echo "Hello World!" > output.txt
```

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

The terminal window shows the following commands:

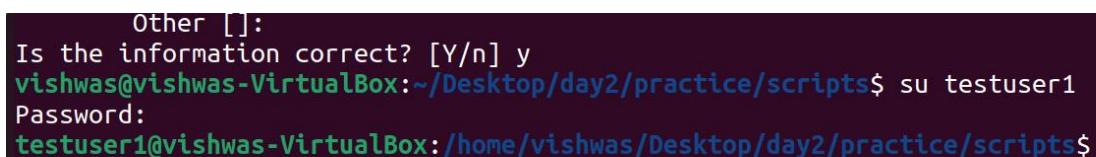
```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ chmod +x myscript.sh
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ ./myscript.sh
Hello World!
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ pluma myscript.sh
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ ./myscript.sh
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ cat output.txt
Hello World!
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$
```

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



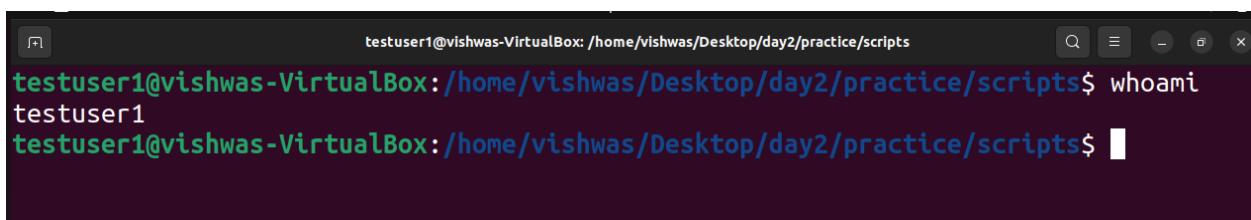
```
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ sudo adduser testuser1
Adding user `testuser1' ...
Adding new group `testuser1' (1002) ...
Adding new user `testuser1' (1002) with group `testuser1' ...
Creating home directory `/home/testuser1' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
Changing the user information for testuser1
Enter the new value, or press ENTER for the default
      Full Name []: testuser1
      Room Number []:
      Work Phone []:
      Home Phone []:
      Other []:
Is the information correct? [Y/n] y
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$
```

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



```
Other []:
Is the information correct? [Y/n] y
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ su testuser1
Password:
testuser1@vishwas-VirtualBox:/home/vishwas/Desktop/day2/practice/scripts$
```

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



```
testuser1@vishwas-VirtualBox:/home/vishwas/Desktop/day2/practice/scripts$ whoami
testuser1
testuser1@vishwas-VirtualBox:/home/vishwas/Desktop/day2/practice/scripts$
```

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

```
testuser1@vishwas-VirtualBox:/home/vishwas/Desktop/day2/practice/scripts$ whoami  
testuser1  
testuser1@vishwas-VirtualBox:/home/vishwas/Desktop/day2/practice/scripts$ exit  
exit  
vishwas@vishwas-VirtualBox:~/Desktop/day2/practice/scripts$ █
```