

# SANJANA KS

## 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. CO n

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

```
sanjana@sanjana-VirtualBox:~/Desktop/practice$ pwd
/home/sanjana/Desktop/practice
sanjana@sanjana-VirtualBox:~/Desktop/practice$ cd practice
```

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

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ pluma file1.txt
```

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

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ cp file1.txt file2.txt
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ mkdir backup
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ mv file2.txt backup/
```

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

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ cp file1.txt file2.txt
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ mkdir backup
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ mv file2.txt backup/
```

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

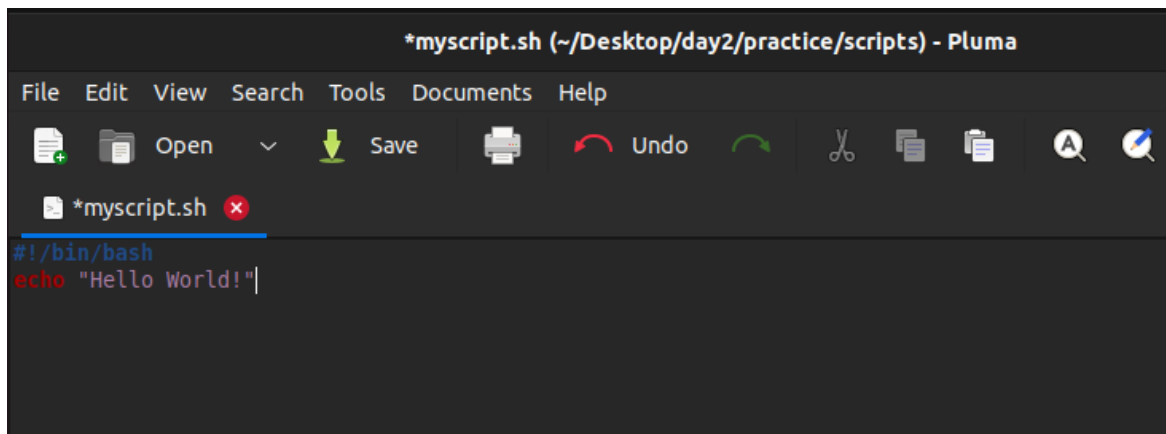
```
S: Command not found
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ mkdir scripts
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice$ cd scripts
```

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

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ pluma myscript.sh
```

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

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



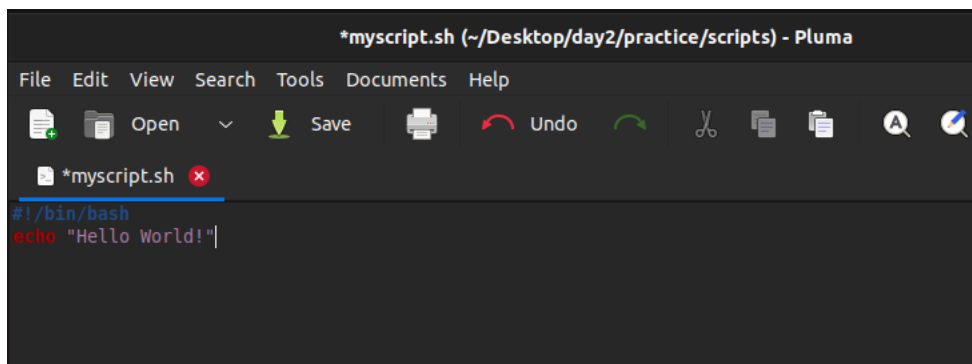
8. Make "myscript.sh" executable using the command "chmod +x myscript.sh".

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ chmod +x myscript.sh
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ ./myscript.sh
hello World!
```

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

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ chmod +x myscript.sh
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ ./myscript.sh
hello World!
```

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.

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ chmod +x myscript.sh
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ ./myscript.sh
hello World!
```

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

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ 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:
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 []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] y
```

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

```
sanjana@sanjana-VirtualBox:~/Desktop/practice/practice/scripts$ su testuser
Password:
```

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

```
testuser@sanjana-VirtualBox:/home/sanjana/Desktop/practice/practice/scripts$ whoami  
testuser
```

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

```
testuser  
testuser@sanjana-VirtualBox:/home/sanjana/Desktop/practice/practice/scripts$ exit  
exit  
testuser@sanjana-VirtualBox:/home/sanjana/Desktop/practice/practice/scripts$
```