

Assignment for Linux skills

Format: Lab Session

Time: 90 mins

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
```

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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
```

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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
```

.

```

sushna@ubuntu:~$ mkdir ~/practice
sushna@ubuntu:~$ ls -
Desktop  Downloads  Pictures  Public  Templates
Documents  Music      practice  snap    Videos
sushna@ubuntu:~$ cd ~/practice
sushna@ubuntu:~/practice$ touch file1.txt
sushna@ubuntu:~/practice$ nano file1.txt
sushna@ubuntu:~/practice$ cd ~/practice
sushna@ubuntu:~/practice$ cp file1.txt file2.txt
sushna@ubuntu:~/practice$ ls
file1.txt  file2.txt
sushna@ubuntu:~/practice$ cd ~/practice
sushna@ubuntu:~/practice$ mkdir backup
sushna@ubuntu:~/practice$ mv file2.txt backup/
sushna@ubuntu:~/practice$ ls backup/
file2.txt
sushna@ubuntu:~/practice$ cd ~/practice
sushna@ubuntu:~/practice$ mkdir scripts
sushna@ubuntu:~/practice$ ls
backup  file1.txt  scripts
sushna@ubuntu:~/practice$ cd ~/practice
sushna@ubuntu:~/practice$ cd scripts
sushna@ubuntu:~/practice/scripts$ touch myscript.sh
sushna@ubuntu:~/practice/scripts$ nano myscript.sh
sushna@ubuntu:~/practice/scripts$ cd ~/practice
sushna@ubuntu:~/practice$ cd scripts
sushna@ubuntu:~/practice/scripts$ chmod +x myscript.sh
sushna@ubuntu:~/practice/scripts$ ls -l
total 4
-rwxrwxr-x 1 sushna sushna 34 Apr  4 10:11 myscript.sh
sushna@ubuntu:~/practice/scripts$ cd ~/practice
sushna@ubuntu:~/practice$ cd scripts
sushna@ubuntu:~/practice/scripts$ ./myscript.sh
Hello, world!
sushna@ubuntu:~/practice/scripts$ cd ~/practice
sushna@ubuntu:~/practice$ cd scripts
sushna@ubuntu:~/practice/scripts$ nano myscript.sh
sushna@ubuntu:~/practice/scripts$ cd ~/practice
sushna@ubuntu:~/practice$ cd scripts
sushna@ubuntu:~/practice/scripts$ ./myscript.sh
sushna@ubuntu:~/practice/scripts$ ls
myscript.sh  output.txt
sushna@ubuntu:~/practice/scripts$ cat output.txt
Hello, world!
sushna@ubuntu:~/practice/scripts$ ^C
sushna@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu:/home/sushna/practice/scripts# su sushna
sushna@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu:/home/sushna/practice/scripts# cd
root@ubuntu:~# cd
root@ubuntu:~# cd
root@ubuntu:~# cd home
bash: cd: home: No such file or directory
root@ubuntu:~# su sushna

```

```

root@ubuntu:~# su sushna
sushna@ubuntu:~/practice$ cd ~/practice
sushna@ubuntu:~/practice$ cd scripts
sushna@ubuntu:~/practice/scripts$ su sushna
Password:
sushna@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu:/home/sushna/practice/scripts# su sushna
sushna@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu:/home/sushna/practice/scripts# ^C
root@ubuntu:/home/sushna/practice/scripts# su sushna
sushna@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu:/home/sushna/practice/scripts# visudo

Use "fg" to return to nano.

[!]+ Stopped                  visudo
root@ubuntu:/home/sushna/practice/scripts# sudo adduser sush
Adding user 'sush' ...
Adding new group 'sush' (1001) ...
Adding new user 'sush' (1001) with group 'sush' ...
Creating home directory '/home/sush' ...
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 sush
Enter the new value, or press ENTER for the default
  Full Name []: SushnaS
   Room Number []:
   Work Phone []:
   Home Phone []:
   Other []:
Is the information correct? [Y/n] Y
root@ubuntu:/home/sushna/practice/scripts# su sush
sush@ubuntu:/home/sushna/practice/scripts$ whoami
sush
sush@ubuntu:/home/sushna/practice/scripts$ exit
exit
root@ubuntu:/home/sushna/practice/scripts# su sushna
sushna@ubuntu:~/practice/scripts$

```