

## Assignment for Linux skills

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".
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".
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

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kalpi@ubuntu:~$ mkdir -p /practice
kalpi@ubuntu:~$ ls -la
Desktop  Documents  File  Pictures  Public  Templates
cal      Downloads  mail  practice  snap    videos
kalpi@ubuntu:~$ cd -p /practice
kalpi@ubuntu:~/practice$ touch file1.txt
kalpi@ubuntu:~/practice$ nano file1.txt
kalpi@ubuntu:~/practice$ cd -p /practice
kalpi@ubuntu:~/practice$ cp file1.txt file2.txt
kalpi@ubuntu:~/practice$ cd -p /practice
kalpi@ubuntu:~/practice$ mkdir backup
kalpi@ubuntu:~/practice$ mv file2.txt backup/
kalpi@ubuntu:~/practice$ ls backup
file2.txt
kalpi@ubuntu:~/practice$ cd -p /practice
kalpi@ubuntu:~/practice$ mkdir scripts
kalpi@ubuntu:~/practice$ ls
Desktop  file1.txt  scripts
kalpi@ubuntu:~/practice$ cd -p /practice
kalpi@ubuntu:~/practice$ cd scripts
kalpi@ubuntu:~/practice/scripts$ touch myscript.sh
kalpi@ubuntu:~/practice/scripts$ nano myscript.sh
kalpi@ubuntu:~/practice/scripts$ cd -p /practice
kalpi@ubuntu:~/practice$ cd scripts
kalpi@ubuntu:~/practice/scripts$ chmod +x myscript.sh
kalpi@ubuntu:~/practice/scripts$ ls -l
total 4
-rwxrwxr-x 1 kalpi kalpi 26 Apr  4 10:14 myscript.sh
kalpi@ubuntu:~/practice/scripts$ cd -p /practice
kalpi@ubuntu:~/practice/scripts$ cd -p /practice
kalpi@ubuntu:~/practice/scripts$ ./myscripts.sh
bash: ./myscripts.sh: No such file or directory
kalpi@ubuntu:~/practice/scripts$ ./myscript.sh
hello good morning
kalpi@ubuntu:~/practice/scripts$ cd -p /practice
kalpi@ubuntu:~/practice$ cd scripts
kalpi@ubuntu:~/practice/scripts$ nano myscript.sh
kalpi@ubuntu:~/practice/scripts$ cd -p /practice
kalpi@ubuntu:~/practice$ cd scripts
kalpi@ubuntu:~/practice/scripts$ ./myscript.sh
myscript.sh output.txt
kalpi@ubuntu:~/practice/scripts$ cat output.txt
hello good morning
kalpi@ubuntu:~/practice/scripts$ sudo su
[sudo] password for kalpi:
kalpi is not in the sudoers file. This incident will be reported.
kalpi@ubuntu:~/practice/scripts$ adduser testuser
adduser: Only root may add a user or group to the system.
kalpi@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu:/home/kalpi/practice/scripts# su kalpi
Password:
root@ubuntu:/home/kalpi/practice/scripts# visudo
```

"exit".

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Password:
root@Ubuntu:/home/kalpi/practice/scripts# su kalpi
kalpi@Ubuntu:~/practice/scripts$ su root
Password:
root@Ubuntu:/home/kalpi/practice/scripts# visudo

Use "fg" to return to nano.

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