

Linux Assignment 1

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 `exit`.

OUTPUT :

```
File Actions Edit View Help
(kali@kali)-[~]
└─$ sudo su
[sudo] password for kali:
(root@kali)-[/home/kali]
└─# mkdir practice

(root@kali)-[/home/kali]
└─# ls
Desktop Documents Downloads Music Pictures practice Public Templates Videos

(root@kali)-[/home/kali]
└─# cd practice

(root@kali)-[/home/kali/practice]
└─# touch file.txt

(root@kali)-[/home/kali/practice]
└─# echo "welcome to technology training">>file1.txt

(root@kali)-[/home/kali/practice]
└─# touch file2.txt

(root@kali)-[/home/kali/practice]
└─# cp file1.txt file2.txt

(root@kali)-[/home/kali/practice]
└─# cat file2.txt
welcome to technology training

(root@kali)-[/home/kali/practice]
└─# mkdir scripts

(root@kali)-[/home/kali/practice]
└─# touch myscript.sh

(root@kali)-[/home/kali/practice]
```

```
└─# ls
file1.txt file2.txt file.txt myscript.sh scripts

(root@kali)-[/home/kali/practice]
└─# cd scripts

(root@kali)-[/home/kali/practice/scripts]
└─# touch myscript.sh

(root@kali)-[/home/kali/practice/scripts]
└─# ls
myscript.sh

(root@kali)-[/home/kali/practice/scripts]
└─# nano myscript.sh

(root@kali)-[/home/kali/practice/scripts]
└─# nano myscript.sh

(root@kali)-[/home/kali/practice/scripts]
└─# chmod +x myscript.sh

(root@kali)-[/home/kali/practice/scripts]
└─# ./myscript.sh
Hello World

(root@kali)-[/home/kali/practice/scripts]
└─# nano myscript.sh

(root@kali)-[/home/kali/practice/scripts]
└─# chmod +x myscript.sh

(root@kali)-[/home/kali/practice/scripts]
└─# ./myscript.sh
Hello World
Hello World
```

```

(root@kali)-[/home/kali/practice/scripts]
# ./myscript.sh
Hello World

(root@kali)-[/home/kali/practice/scripts]
# nano myscript.sh

(root@kali)-[/home/kali/practice/scripts]
# chmod +x myscript.sh

(root@kali)-[/home/kali/practice/scripts]
# ./myscript.sh
Hello World
Hello World

(root@kali)-[/home/kali/practice/scripts]
# nano myscript.sh

(root@kali)-[/home/kali/practice/scripts]
# chmod +x myscript.sh

(root@kali)-[/home/kali/practice/scripts]
# nano myscript.sh

(root@kali)-[/home/kali/practice/scripts]
# ./myscript.sh
Hello World
Hello World

(root@kali)-[/home/kali/practice/scripts]
# nano myscript.sh

(root@kali)-[/home/kali/practice/scripts]
# su testuser
su: user testuser does not exist or the user entry does not contain all the required fields

```

```

Adding user `test' ...
Adding new group `test' (1001) ...
Adding new user `test' (1001) with group `test (1001)' ...
Creating home directory `/home/test' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for test
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
Adding new user `test' to supplemental / extra groups `users' ...
Adding user `test' to group `users' ...

(root@kali)-[/home/kali/practice/scripts]
# su testuser
su: user testuser does not exist or the user entry does not contain all the required fields

(root@kali)-[/home/kali/practice/scripts]
# su test
(test@kali)-[/home/kali/practice/scripts]
$ whoami
test

(test@kali)-[/home/kali/practice/scripts]
$ exit
exit

(root@kali)-[/home/kali/practice/scripts]
#

```