

Linux Assignment 1

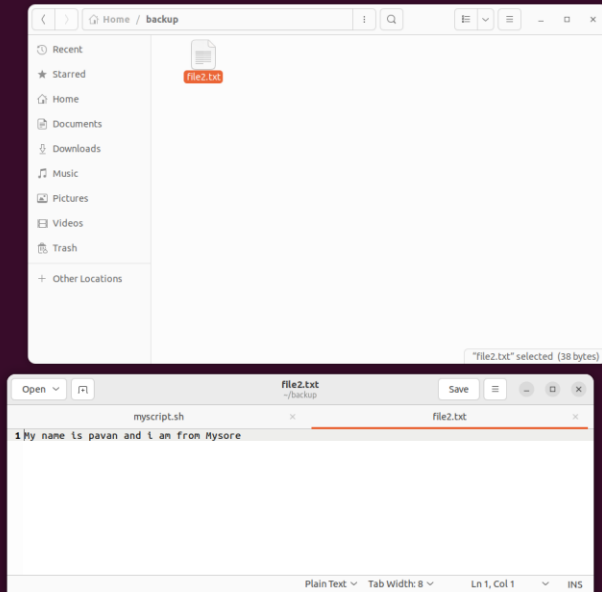
1. Create a new directory called "practice" in your home directory.
2. Inside the "practice" directory, create a new file called "file1.txt" and add some text to it.
3. Copy "file1.txt" to a new file called "file2.txt" in the same directory.
4. Move "file2.txt" to a new directory called "backup" that 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.

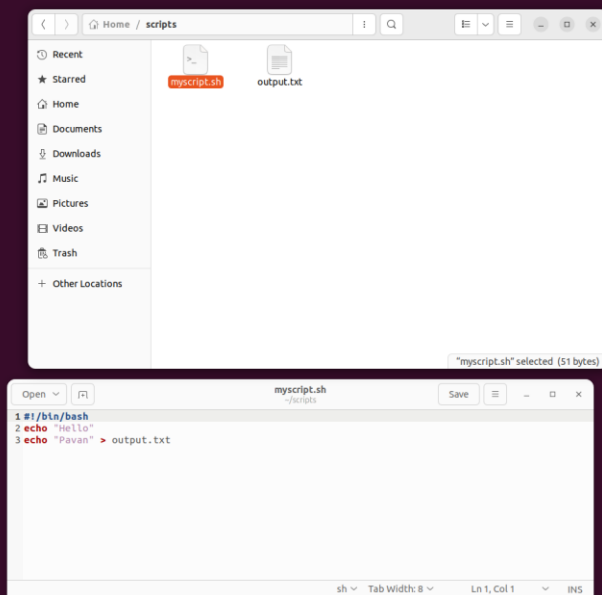
```
echo "Hello World!"
```
9. Make "myscript.sh" executable using the command `chmod +x myscript.sh`.
10. Run "myscript.sh" using the command `./myscript.sh`.
11. Add a line to "myscript.sh" that creates a new file called "output.txt" in the same directory and writes the output of the "echo" command 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 :

```
pavan@ubun:~$ whoami
pavan
pavan@ubun:~$ mkdir practice
pavan@ubun:~$ touch file1
pavan@ubun:~$ touch file1.txt
pavan@ubun:~$ cat > file1.txt
My name is pavan and i am from Mysore
^Z
[1]+  Stopped                  cat > file1.txt
pavan@ubun:~$ touch file2.txt
pavan@ubun:~$ cp file1.txt file2.txt
pavan@ubun:~$ cd backup
bash: cd: backup: No such file or directory
pavan@ubun:~$ mkdir backup
pavan@ubun:~$ mv file2.txt backup
pavan@ubun:~$ mkdir scripts
pavan@ubun:~$ touch myscript.sh
pavan@ubun:~$ cat > myscript.sh
#!/bin/bash
Z
^Z
[2]+  Stopped                  cat > myscript.sh
pavan@ubun:~$ echo "Hello World"
Hello World
pavan@ubun:~$ chmod +x myscripts.sh
chmod: cannot access 'myscripts.sh': No such file or directory
pavan@ubun:~$ chmod +x myscript.sh
pavan@ubun:~$ ./myscript.sh
pavan@ubun:~$ mv file1.txt practice
pavan@ubun:~$ mv myscript.sh scripts
pavan@ubun:~$ ./myscript.sh
bash: ./myscript.sh: No such file or directory
pavan@ubun:~$ cd scripts
pavan@ubun:~/scripts$ ./myscript.sh
pavan@ubun:~/scripts$ nano myscript.sh
pavan@ubun:~/scripts$ ./myscript.sh
./myscript.sh: line 2: Pavan: command not found
pavan@ubun:~/scripts$ nano myscript.sh
pavan@ubun:~/scripts$ ./myscript.sh
bash: ./myscript.sh: Permission denied
pavan@ubun:~/scripts$ nano myscript.sh
pavan@ubun:~/scripts$ ./myscript.sh
bash: ./myscript.sh: Permission denied
pavan@ubun:~/scripts$ chmod +x myscript.sh
pavan@ubun:~/scripts$ ./myscript.sh
Hello
pavan@ubun:~/scripts$ nano myscript.sh
pavan@ubun:~/scripts$ ./myscript.sh
Hello
pavan@ubun:~/scripts$ cat output.txt
Pavan
pavan@ubun:~/scripts$ su root
Password:
su: Authentication failure
```



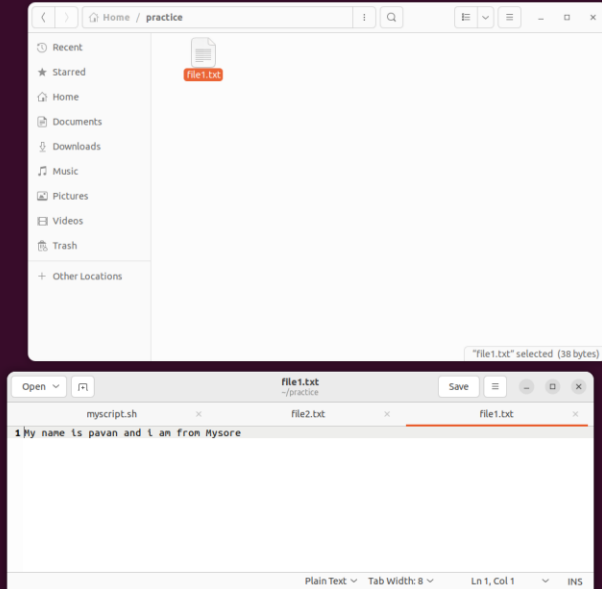
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[2]+  Stopped                  cat > myscript.sh
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Hello
pavan@ubun:~/scripts$ cat output.txt
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pavan@ubun:~/scripts$ su root
Password:
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```



```

pavan@ubun:~/scripts$ ./myscript.sh
./myscript.sh: line 2: Pavan: command not found
pavan@ubun:~/scripts$ nano myscript.sh
pavan@ubun:~/scripts$ ./myscript.sh
bash: ./myscript.sh: Permission denied
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Hello
pavan@ubun:~/scripts$ cat output.txt
Pavan
pavan@ubun:~/scripts$ su root
Password:
su: Authentication failure
pavan@ubun:~/scripts$ su root
Password:
root@ubun:~/home/pavan/scripts# visudo

Use "fg" to return to nano.

[1]+  Stopped                  visudo
root@ubun:~/home/pavan/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:
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 []: Pavan
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
root@ubun:~/home/pavan/scripts# su testuser
testuser@ubun:~/home/pavan/scripts$ whoami
testuser
testuser@ubun:~/home/pavan/scripts$ exit
root@ubun:~/home/pavan/scripts# whoami
root
root@ubun:~/home/pavan/scripts# ^C
root@ubun:~/home/pavan/scripts#
root@ubun:~/home/pavan/scripts#

```