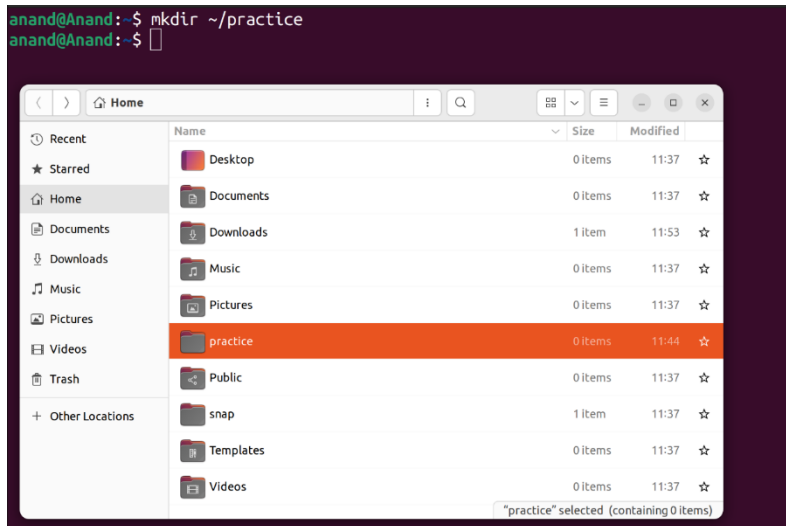


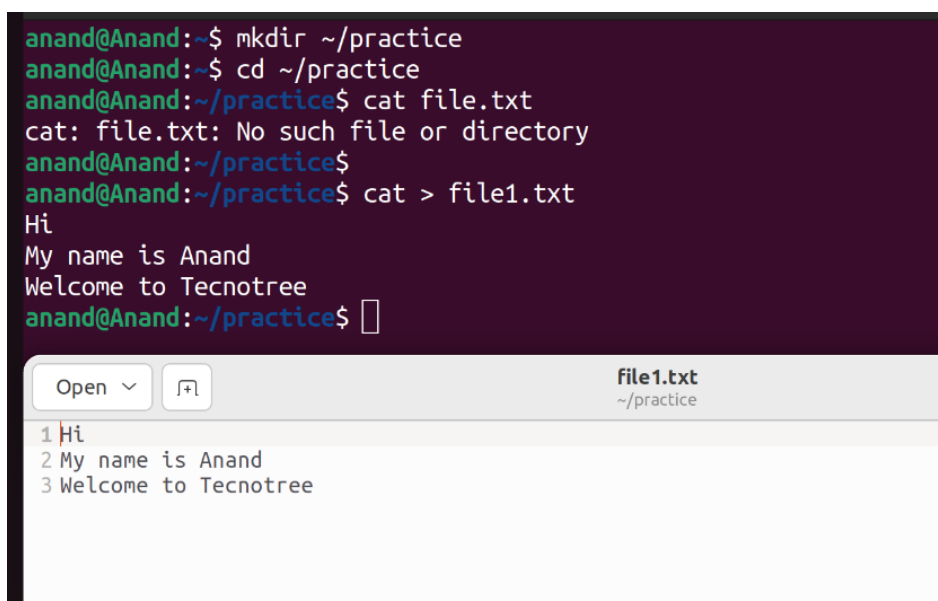
Linux Assignment-01

Anand M C

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.

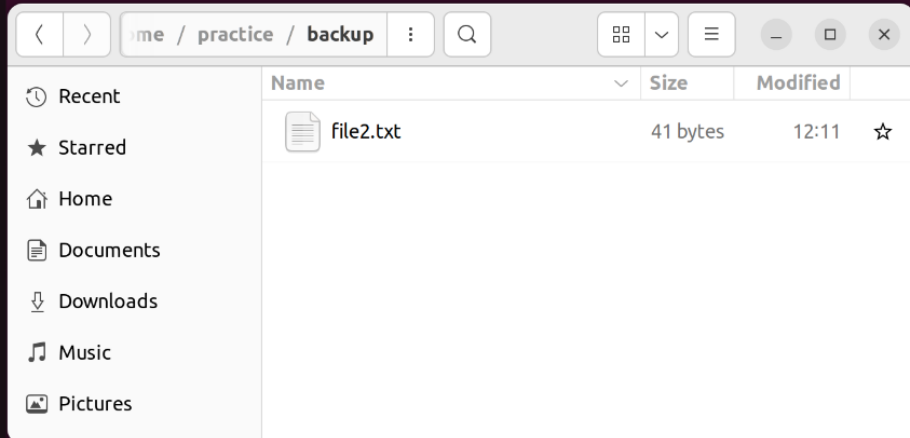


3. Copy "file1.txt" to a new file called "file2.txt" in the same directory.

```
Welcome to Tecnotree
anand@Anand:~/practice$ cp file1.txt file2.txt
anand@Anand:~/practice$ cat file2.txt
Hi
My name is Anand
Welcome to Tecnotree
anand@Anand:~/practice$ cat file1.txt
Hi
My name is Anand
Welcome to Tecnotree
anand@Anand:~/practice$
```

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

```
anand@Anand:~/practice$ cd backup
anand@Anand:~/practice/backup$ ls
file2.txt
anand@Anand:~/practice/backup$
```



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

```
anand@Anand:~/practice$ cd backup
anand@Anand:~/practice/backup$ ls
file2.txt
anand@Anand:~/practice/backup$ cd ..
anand@Anand:~/practice$ mkdir scripts
anand@Anand:~/practice$ ls
backup  file1.txt  scripts
anand@Anand:~/practice$
```

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

```
anand@Anand:~/practice$ mkdir scripts
anand@Anand:~/practice$ ls
backup  file1.txt  scripts
anand@Anand:~/practice$ cd scripts
anand@Anand:~/practice/scripts$ touch myscripts.sh
anand@Anand:~/practice/scripts$ ls
myscripts.sh
anand@Anand:~/practice/scripts$
```

7. Add the following code to "myscript.sh": #!/bin/bash

```
anand@Anand:~/practice/scripts$ touch myscripts.sh
anand@Anand:~/practice/scripts$ echo '#!/bin/bash' > myscripts.sh
anand@Anand:~/practice/scripts$ cat myscripts.sh
#!/bin/bash
anand@Anand:~/practice/scripts$
```

8. echo "Hello World!"

```
anand@Anand:~/practice/scripts$ echo 'hello World!' >myscripts.sh
anand@Anand:~/practice/scripts$ cat myscripts.sh
hello World!
anand@Anand:~/practice/scripts$
```

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

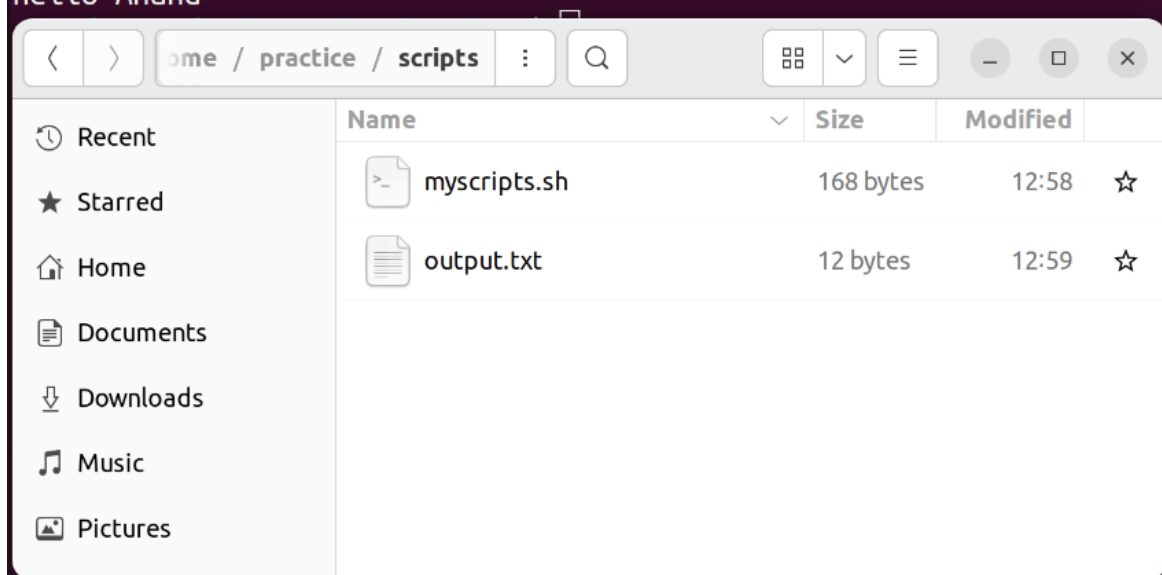
```
anand@Anand:~/practice/scripts$ chmod +x myscripts.sh
anand@Anand:~/practice/scripts$ ls -l myscripts.sh
-rwxrwxr-x 1 anand anand 13 Apr  4 12:37 myscripts.sh
anand@Anand:~/practice/scripts$
```

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

```
anand@Anand:~/practice/scripts$ ./myscripts.sh
Hello Anand
anand@Anand:~/practice/scripts$
```

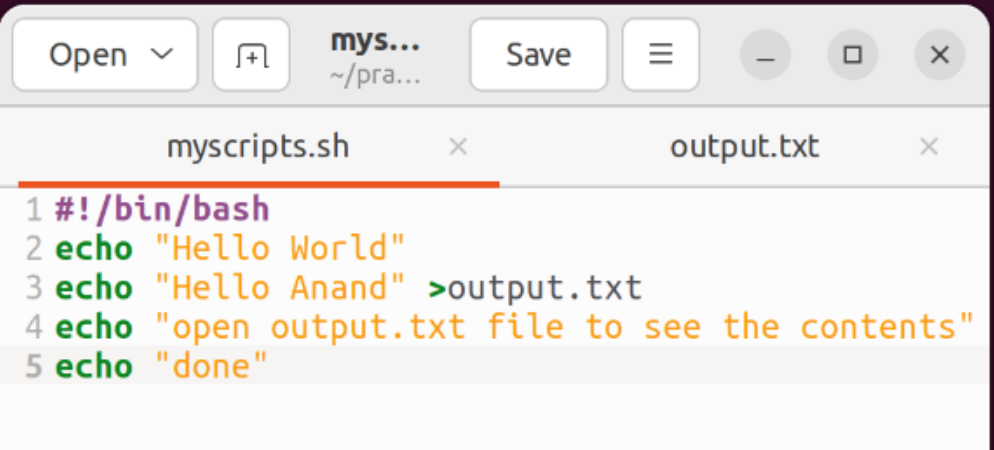
11. Add a line to "myscript.sh" that creates a new file called "output.txt" in the same directory and writes the output of the "echo" command to it.

```
anand@Anand:~/practice/scripts$ ./myscripts.sh
Hello World
open output.txt file t see the contents
done
anand@Anand:~/practice/scripts$ cat output.txt
hello Anand
```



12. Run "myscript.sh" again and verify that "output.txt" has been created and contains the expected output.

```
anand@Anand:~/practice/scripts$ ./myscripts.sh
Hello World
open output.txt file to see the contents
done
anand@Anand:~/practice/scripts$ cat output.txt
Hello Anand
anand@Anand:~/practice/scripts$
```



The screenshot shows a code editor window with two tabs: 'myscripts.sh' and 'output.txt'. The 'myscripts.sh' tab is active and displays the following script:

```
1 #!/bin/bash
2 echo "Hello World"
3 echo "Hello Anand" >output.txt
4 echo "open output.txt file to see the contents"
5 echo "done"
```

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

```
anand@Anand:~/practice/scripts$ su root
Password:
root@Anand:/home/anand/practice/scripts# 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 []: ANANDMC
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] y
root@Anand:/home/anand/practice/scripts#
```

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

```
root@Anand:/home/anand/practice/scripts# su testuser  
testuser@Anand:/home/anand/practice/scripts$
```

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

```
testuser@Anand:/home/anand/practice/scripts$  
testuser@Anand:/home/anand/practice/scripts$ whoami  
testuser  
testuser@Anand:/home/anand/practice/scripts$
```

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

```
testuser@Anand:/home/anand/practice/scripts$ exit  
exit  
root@Anand:/home/anand/practice/scripts#
```

