



Operating Systems

Lab Report 2 & 3

SUBMITTED BY:
SHAHZANEER AHMED

REGISTRATION
NUMBER:
SP21-BCS-087

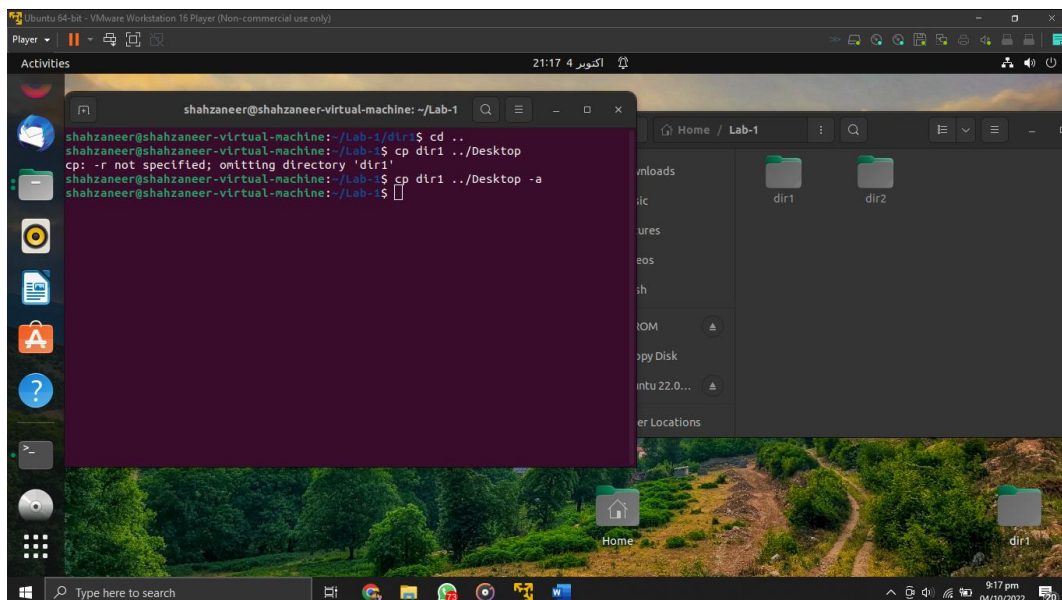
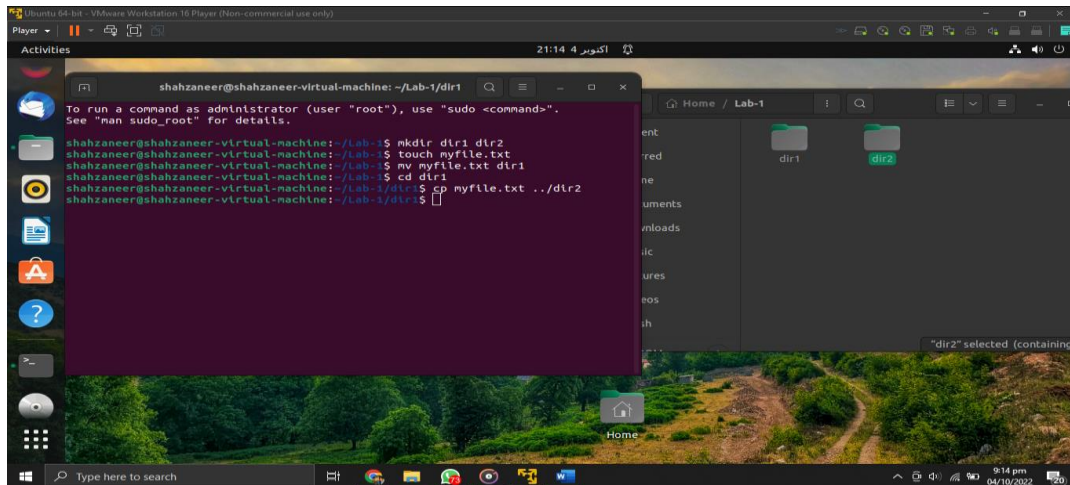
SUBMITTED TO:
DR. RUBINA ADNAN

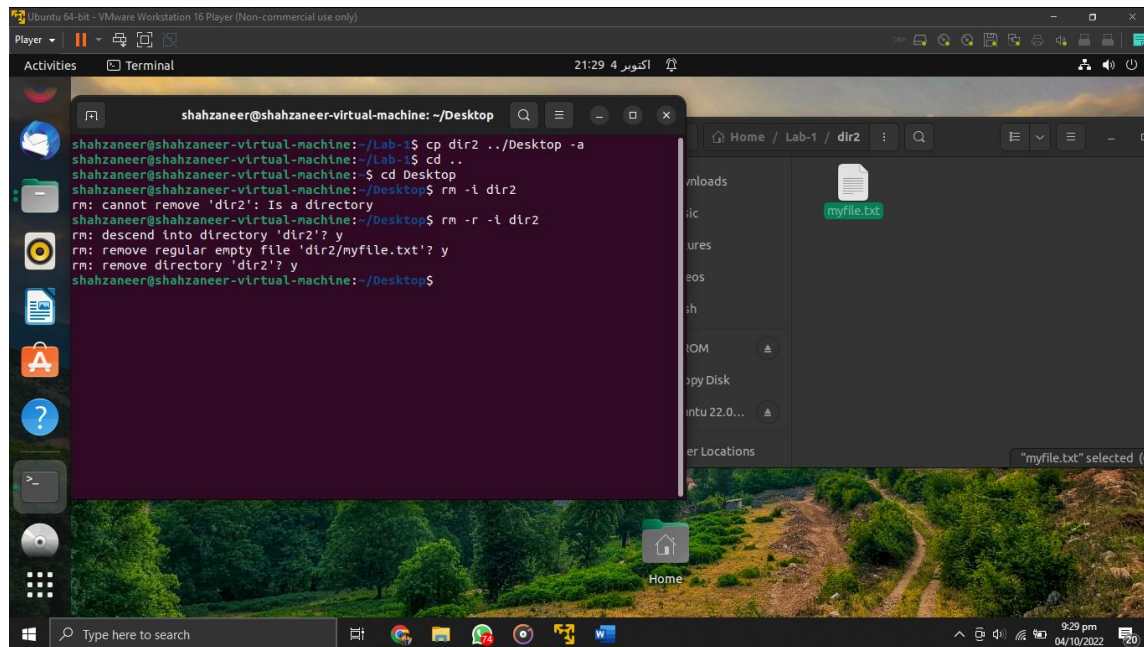
DATE OF
SUBMISSION:
OCTOBER 5, 2022

LAB Tasks 2

// Task 1

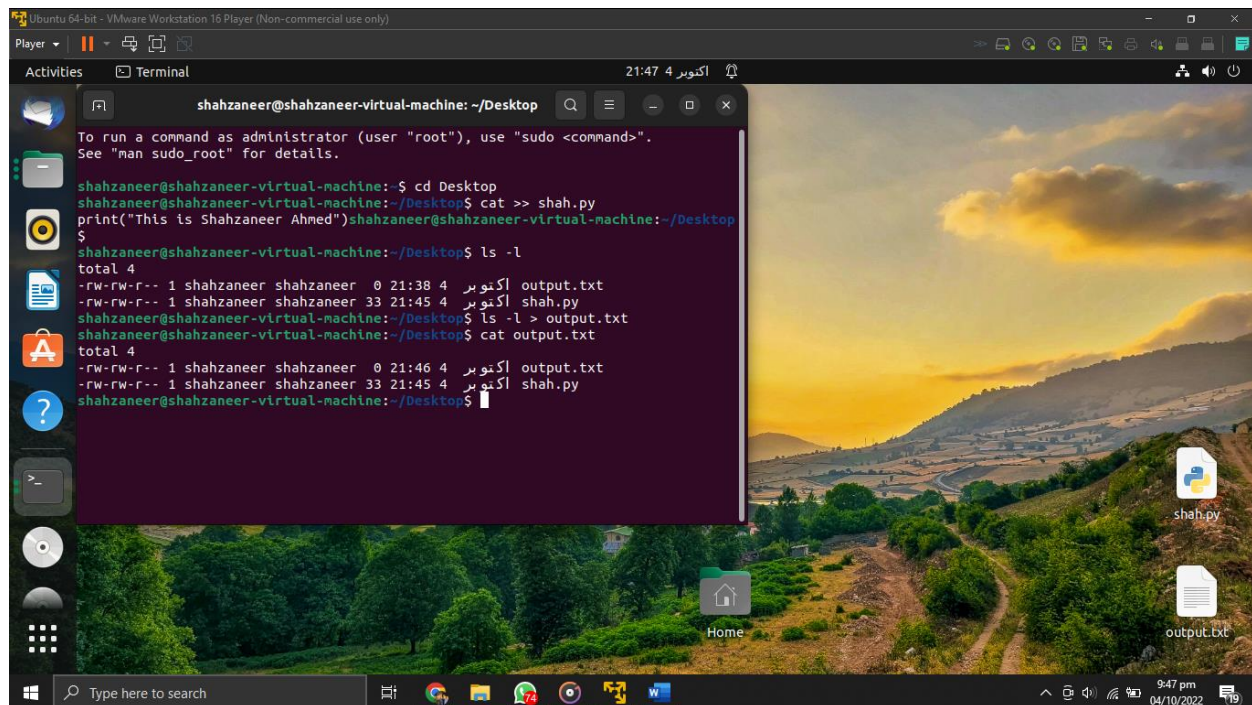
move myfile to mydir1 , copy myfile to mydir2 , copy mydir2 on Desktop , delete mydir1 (get confirmation before deleting) , Rename myfile to mynewfile





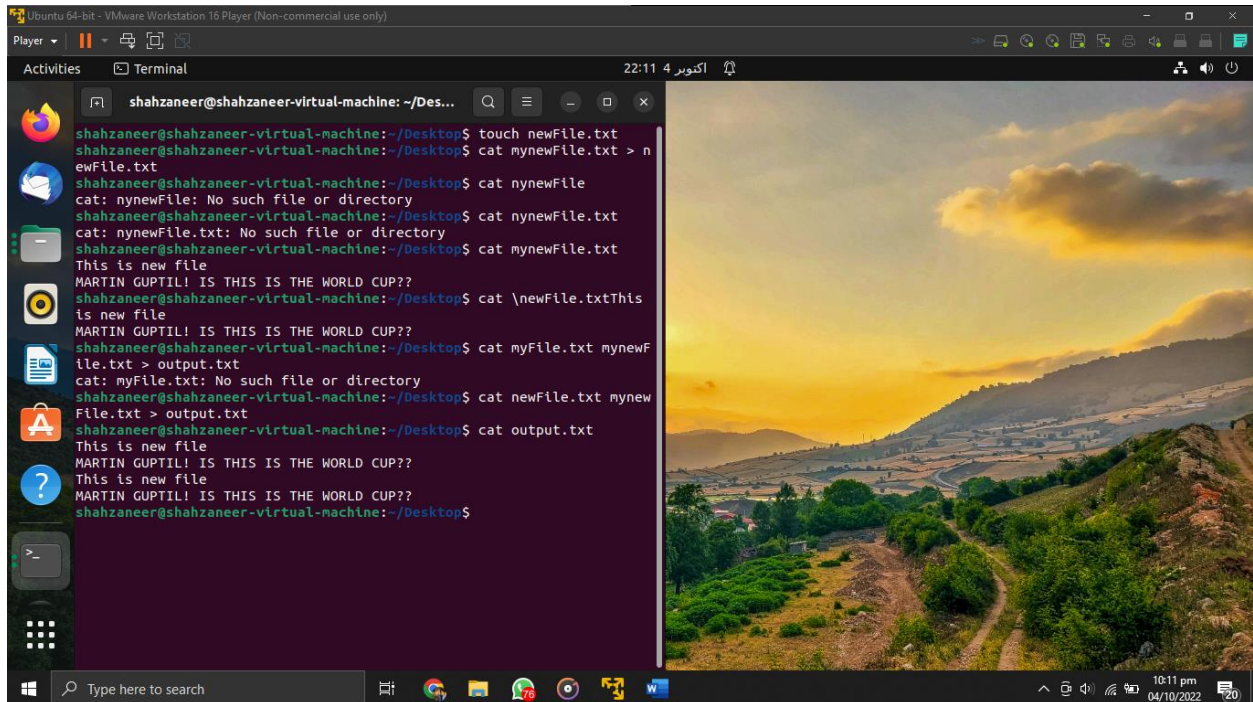
// Task 2

Go to Desktop directory , Write the long-listing of contents of Desktop on an empty file out-put-file ,
View contents of out-put-file



// Task 3

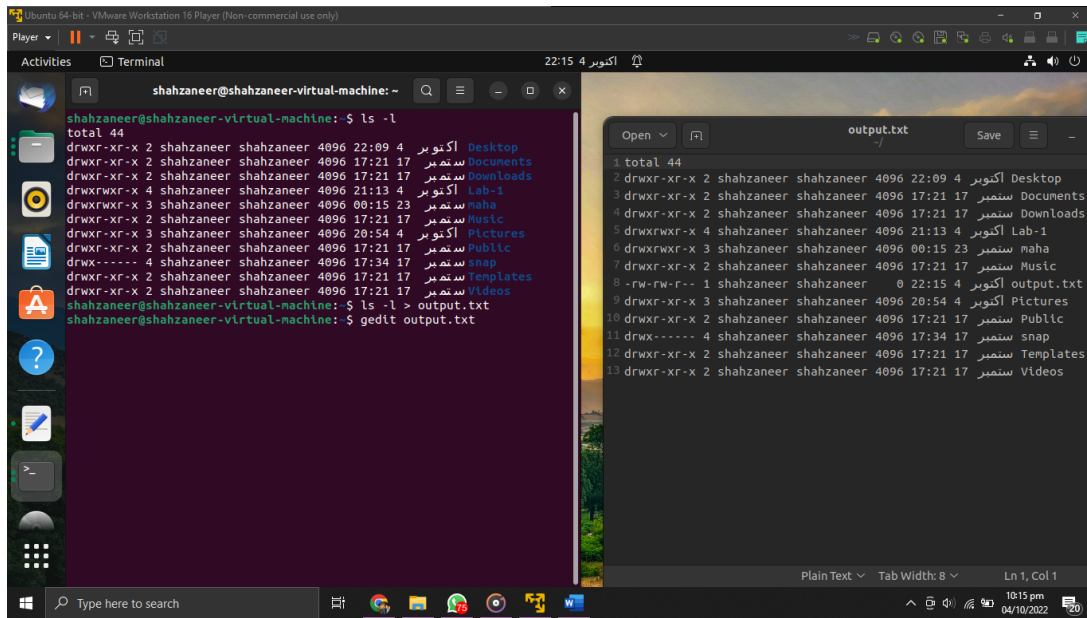
Go to Desktop directory , write the contents of mynewfile to newfile , view the output of both mynewfile and newfile on screen , write the combined output of mynewfile and newfile to a third file out-put-file



```
shahzaneer@shahzaneer-virtual-machine: ~/Des...
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ touch newFile.txt
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ cat mynewFile.txt > newFile.txt
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ cat nynewFile
cat: nynewFile: No such file or directory
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ cat nynewFile.txt
cat: nynewFile.txt: No such file or directory
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ cat mynewFile.txt
This is new file
MARTIN GUPTIL! IS THIS IS THE WORLD CUP??
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ cat \newFile.txt
This is new file
MARTIN GUPTIL! IS THIS IS THE WORLD CUP??
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ cat myFile.txt mynewFile.txt > output.txt
cat: myFile.txt: No such file or directory
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ cat newFile.txt mynewFile.txt > output.txt
shahzaneer@shahzaneer-virtual-machine:~/Desktop$ cat output.txt
This is new file
MARTIN GUPTIL! IS THIS IS THE WORLD CUP??
This is new file
MARTIN GUPTIL! IS THIS IS THE WORLD CUP??
shahzaneer@shahzaneer-virtual-machine:~/Desktop$
```

// Task 4

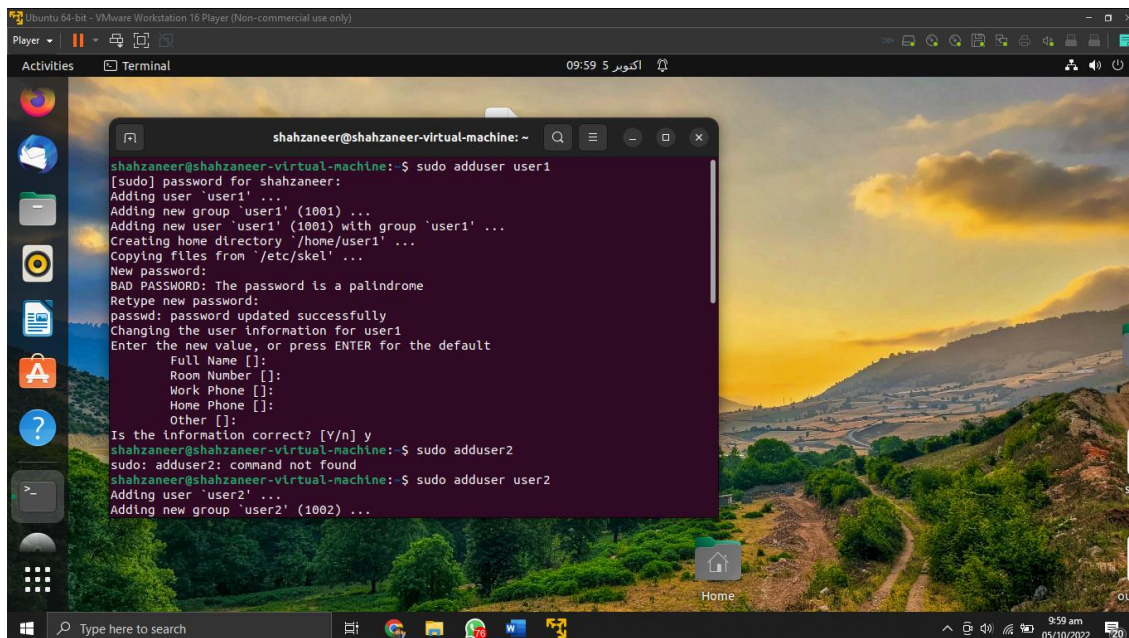
Long list all files and directories in your system and write out-put on a text-file.

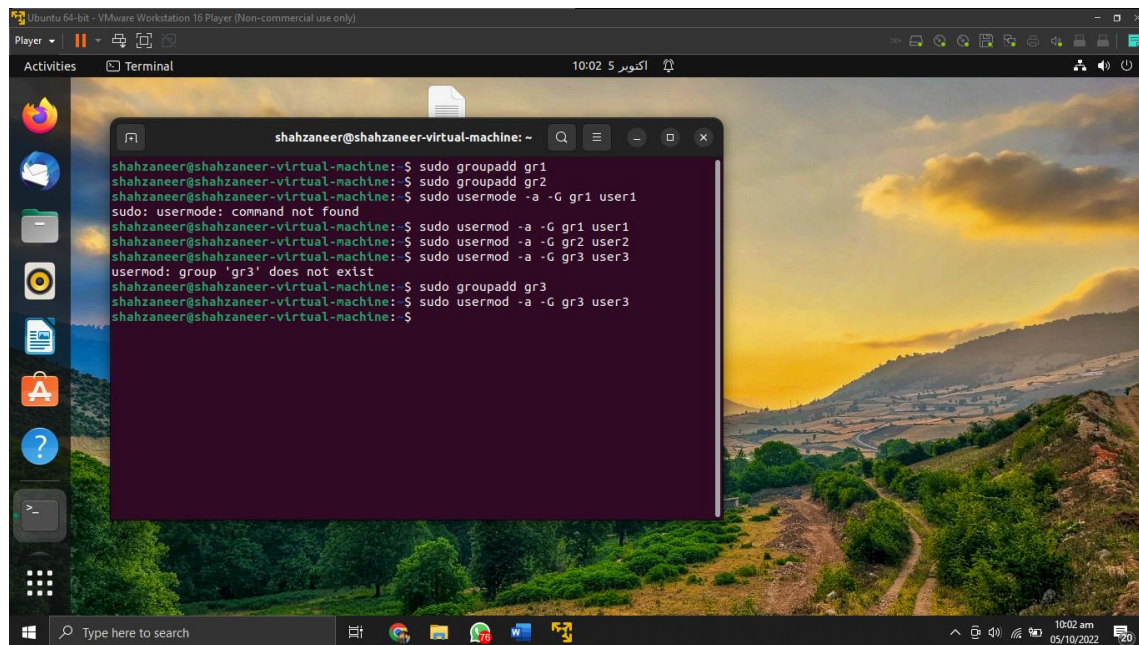
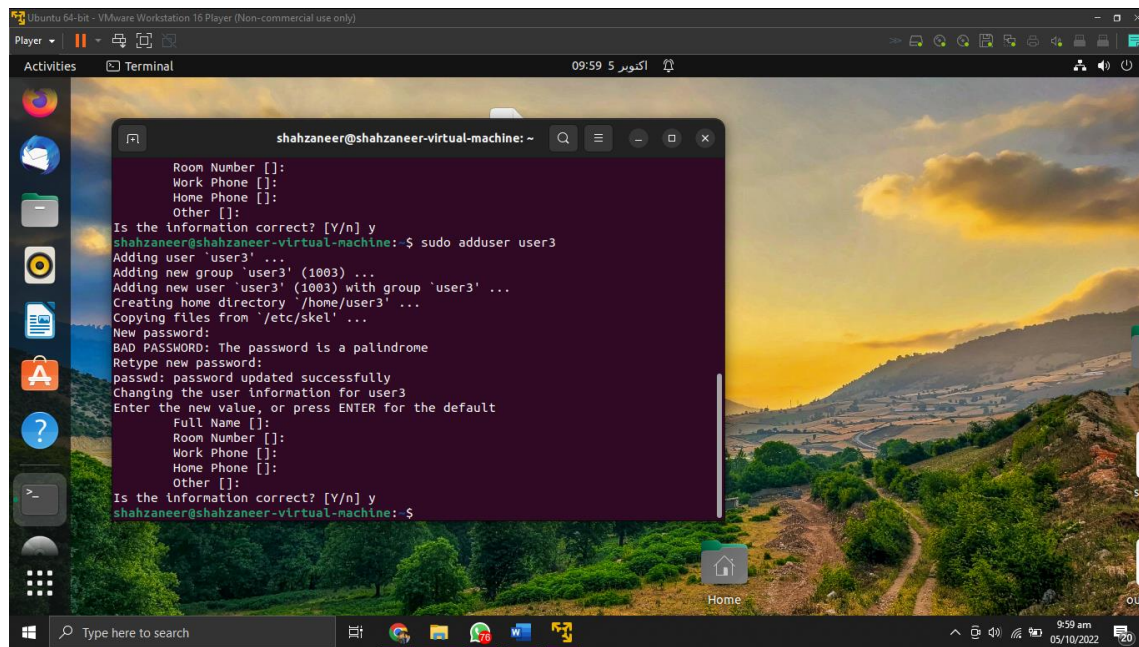


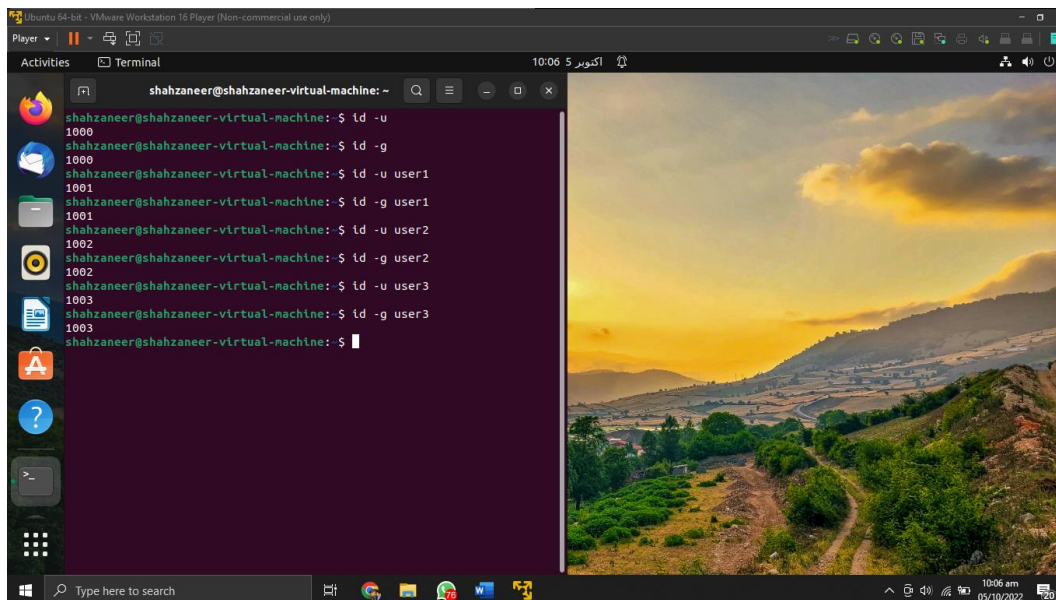
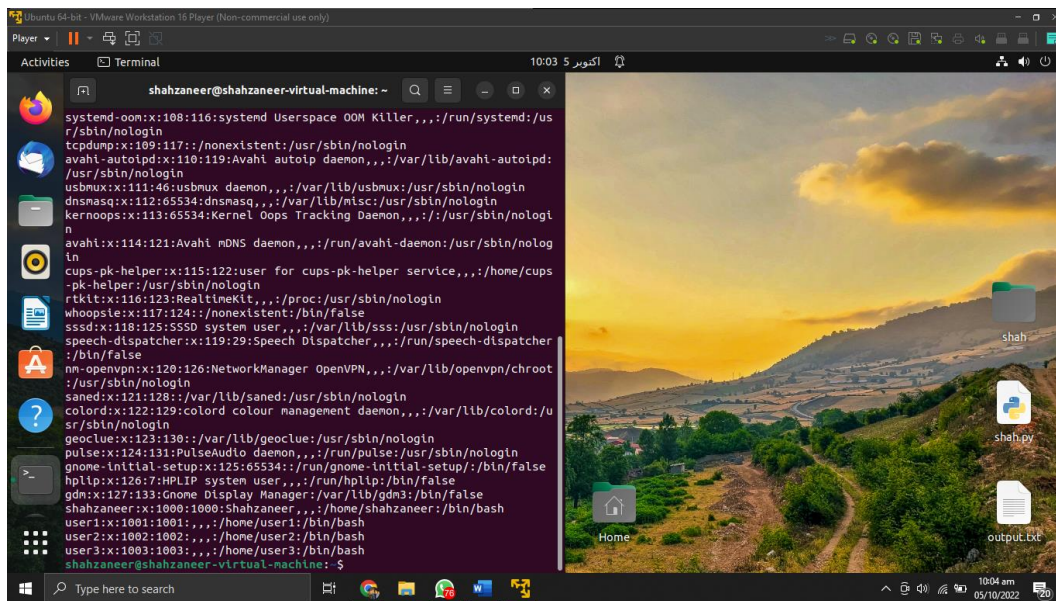
Lab Task 3

// Task 1

Create 3 user accounts (user1, user2, user3) and add 2 groups (gr1, gr2). add user1 to gr1 and add user2, user2 to gr2. Check user ID (UID) and group ID (GID) by listing file /etc/passwd. Find lines with added user. What is the UID and GID for these accounts?

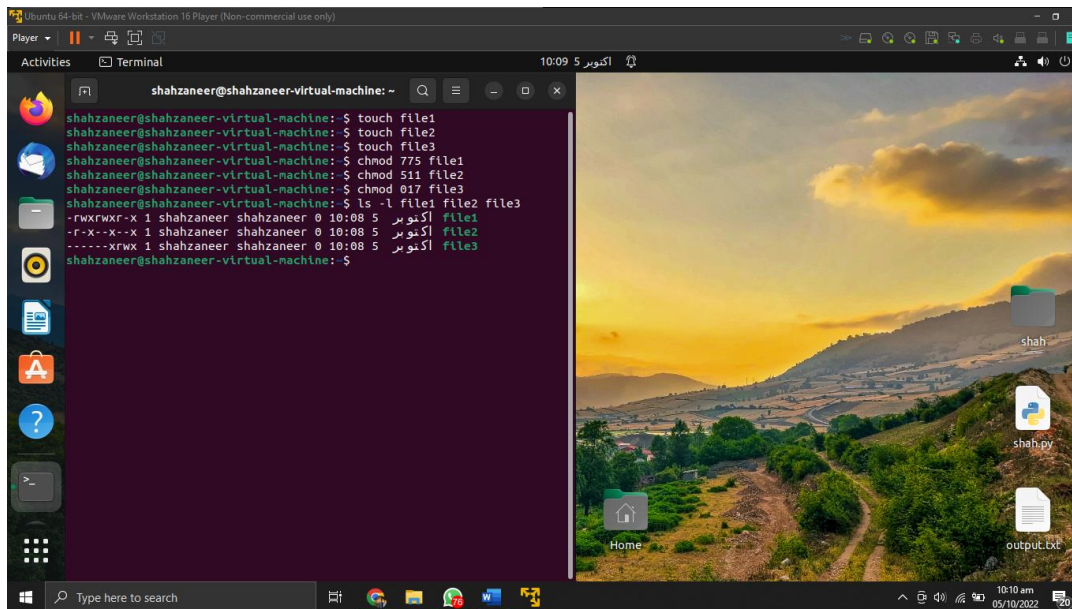






Three files using touch command and change their file permissions

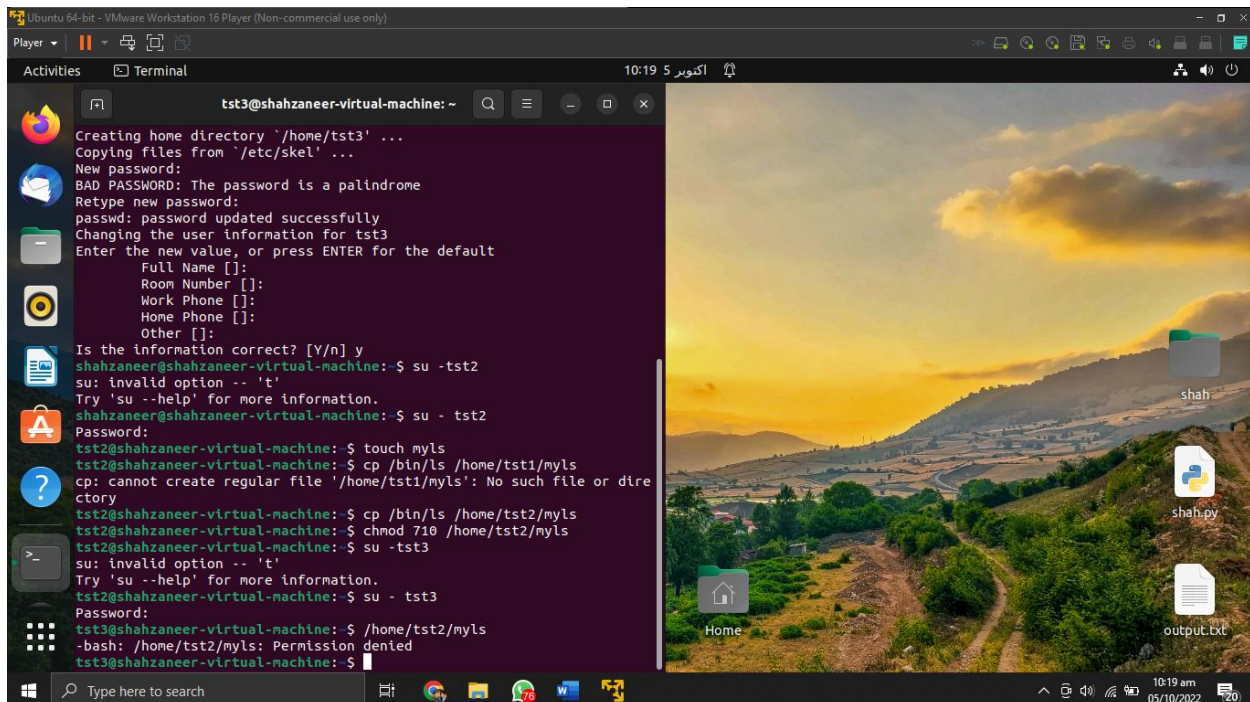
Write the command line by using letters with chmod to set the following permissions: rwxrwxr-x for file1 r-x—x—x for file2 ——xrw— for file3



Create two user accounts: tst1 and tst2 Logging in id: tst1, group users, with bash shell, home directory /home/tst1 Logging in id: tst2, group public, with bash shell, home directory home/tst2 For the two accounts set a password. Logging in as tst1 and copy /bin/ls into tst1 home directory as myls file. Change the owner of myls to tst1 and the permissions to 0710.

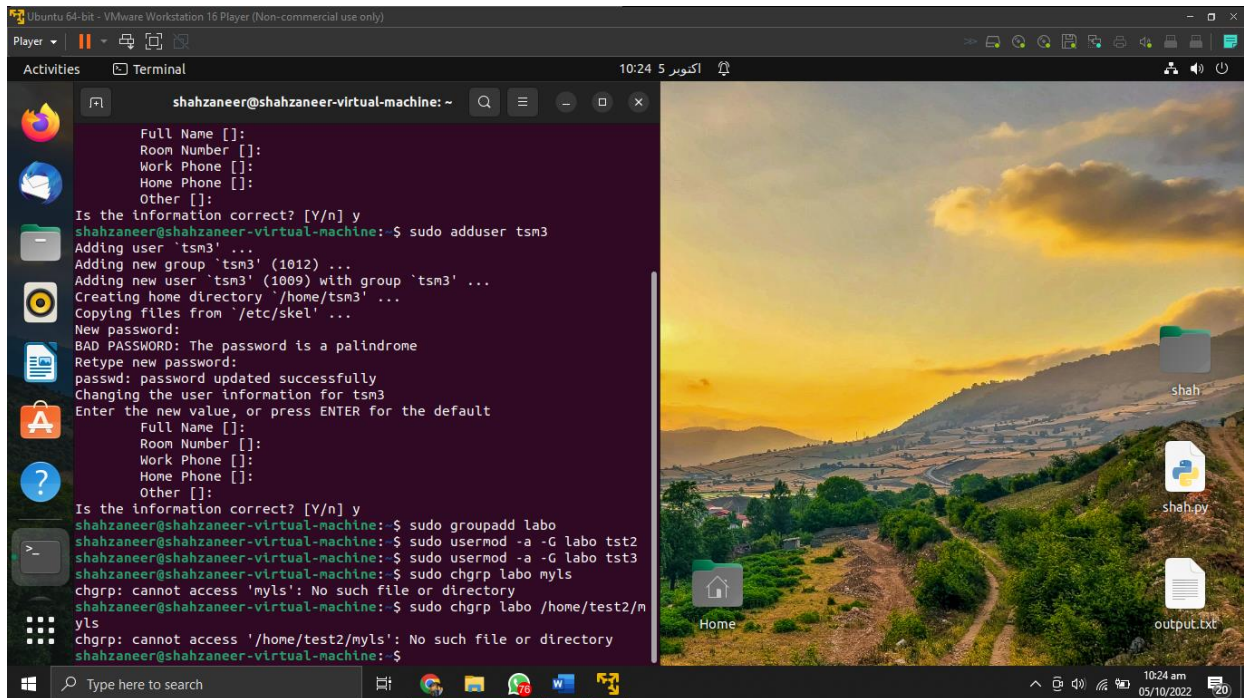
What does this permission value mean? Logging in as tst2 and try to use /home/tst1/myls to list your current directory. Does it work?

ANS: NO



Create a new group labo with tst1 and tst2. Change the owner group of myls file to labo. Try again from tst2 account to execute /home/tst1/myls to list your current directory. Does it work?

ANS: NO



```
shahzaneer@shahzaneer-virtual-machine: ~  
Full Name []:  
Room Number []:  
Work Phone []:  
Home Phone []:  
Other []:  
Is the information correct? [Y/n] y  
shahzaneer@shahzaneer-virtual-machine:~$ sudo adduser tsm3  
Adding user 'tsm3' ...  
Adding new group 'tsm3' (1012) ...  
Adding new user 'tsm3' (1009) with group 'tsm3' ...  
Creating home directory '/home/tsm3' ...  
Copying files from '/etc/skel' ...  
New password:  
BAD PASSWORD: The password is a palindrome  
Retype new password:  
passwd: password updated successfully  
Changing the user information for tsm3  
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  
shahzaneer@shahzaneer-virtual-machine:~$ sudo groupadd labo  
shahzaneer@shahzaneer-virtual-machine:~$ sudo usermod -a -G labo tst2  
shahzaneer@shahzaneer-virtual-machine:~$ sudo usermod -a -G labo tst3  
shahzaneer@shahzaneer-virtual-machine:~$ sudo chgrp labo myls  
chgrp: cannot access 'mysls': No such file or directory  
shahzaneer@shahzaneer-virtual-machine:~$ sudo chgrp labo /home/test2/m  
yls  
chgrp: cannot access '/home/test2/myls': No such file or directory  
shahzaneer@shahzaneer-virtual-machine:~$
```