## **Experiment [2]: [Linux file systems permissions and essential commands]**

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#### AIM:

• [To Learn linux file systems permissions and essential commands]

#### Requirements:

• [Any Linux Distro, any kind of text editor (vs code, vim, notepad, nano, etc)]

### Theory:

• [Basic Linux file systems permissions and essential commands]

#### **Procedure & Observations**

## **TASK 1: [Directory Navigation]**

### **Task Statement:**

• [Create a directory called dir1 in your home directory, then create directories dir2, dir2, and dir3. Navigate to the scripts directory and display your current path.]

### **Explanation:**

• [Use mkdir to create the wanted directory we can use cd to navigate and use pwd to show current path]

### Command(s):

"" mkdir dir1 cd dir1 mkdir dir2 dir3 cd dir2 pwd ""

```
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ mkdir dirl
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ mkdir dir2 dir3 dir4
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ cd
vaishnavii29@DESKTOP-BSKS7E4:~$ ls
                       dirl
dirll
                                                            file1
                                                                                    script.sh
                                                                                                     scriptexp5.sh
a.out dir1 dir3 exp2 file2 vaishnavii29@DESKTOP-BSKS7E4:~$ ls -l dir4 ls: cannot access 'dir4': No such file or directory
                                                                      first2.c
                                                                                    script5.sh
vaishnavii29@DESKTOP-BSKS7E4:~$ cd /mnt/c/Users/DELL/Desktop/New\ folder/LINUX\ EXPERIMENTS
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ ls -l dir4
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ ls
Vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ mkdir -p documents/projects/linux_tutorvaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ cd /home/vaishnavii29/documents vaishnavii29@DESKTOP-BSKS7E4:~/documents$ cd ~
vaishnavii29@DESKTOP-BSKS7E4:~$ mkdir -m 755 public_folder
vaishnavii29@DESKTOP-BSKS7E4:~$ ls
'VirtualBox VMs'
                                                            file1
                                                                      first.c
                                                                                                         script5.sh
                                                                                                                              test1.sh
                                            exp2
                                                            file2
                                                                      first2.c
                                                                                    script.sh
                                                                                                         scriptexp5.sh
vaishnavii29@DESKTOP-BSKS7E4:~$ rmdir dir4
rmdir: failed to remove 'dir4': No such file or directory vaishnavii29@DESKTOP-BSKS7E4:~$ cd /mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$
-bash: cd: too many arguments
vaishnavii29@DESKTOP-BSKS7E4:~$ ^C
vaishnavii29@DESKTOP-BSKS7E4:~$ cd /mnt/c/Users/DELL/Desktop/New\ folder/LINUX\ EXPERIMENTS
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ rmdir dir4
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ ls
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ rmdir dir1 dir3
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ ls
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ rmdir -p path/to/empty/directories
rmdir: failed to remove 'path/to/empty/directories': No such file or directory vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ rmdir -p ^C
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS$ rmdir -p /mnt/c/Users/DELL/Desktop/New
rmdir: failed to remove '/mnt/c/Users/DELL/Desktop/New folder/LINUX EXPERIMENTS': Permission denied
                                                                             Q Search
```

### **TASK 2: [File Creation and Content]**

#### **Task Statement:**

• [Create three files in the docs directory: myfile.txt, file1.txt, file2.txt and file3.txt.]

### **Explanation:**

• [We can use touch to create empty files and using echo "text" > file.txt to add content to a file and using cat to display file contents]

```
touch myfile.txt
ls
touch file1.txt file2.txt file3.txt
ls
```

### **TASK 3: [File Operations]**

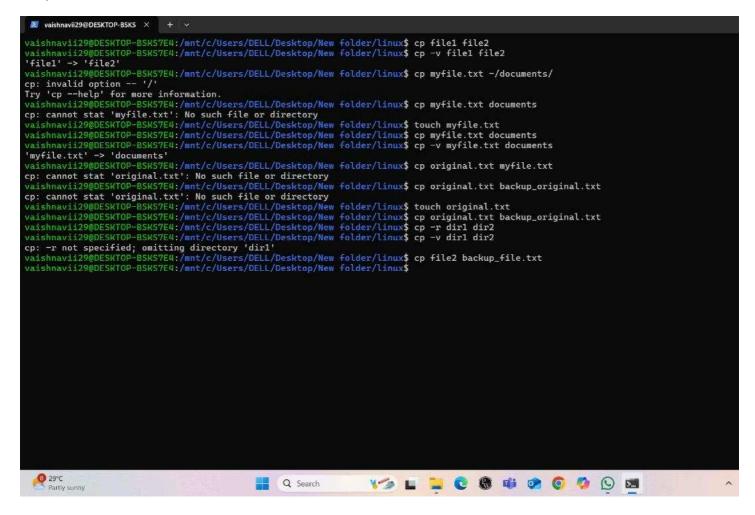
#### **Task Statement:**

• [Copy original.txt to the data directory.]

### **Explanation:**

• [- We can use the cp source destination to copy files and using the mv oldname newname to rename files also using the same command mv file directory/ to move files to another directory we can also combine copy and rename: cp file.txt newdir/newname.txt]

```
cp original.txt backup_original.txt
cp-r dir1 dir2
cp-v dir1 dir2
cp file2 backup_file.txt
```



## **TASK 4: [Flle Permissions]**

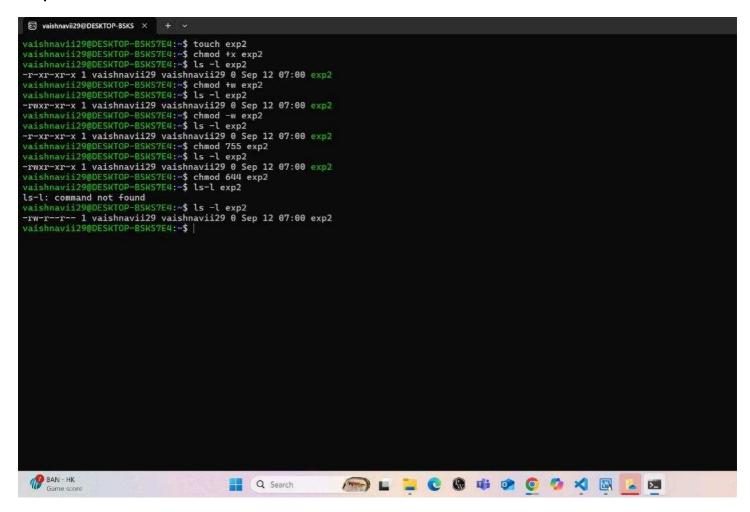
#### **Task Statement:**

• [Create a shell script file called exp2. Make the file executable only for the owner.]

### **Explanation:**

• [Using chmod u+x filename we can make the file executable for user only using ls -l to check for permissions also script files typically need executable permission to run]

```
touch exp2
chmod +x exp2
ls -1 exp2
chmod +w exp2
ls -1 exp2
chmod -w exp2
ls -1 exp2
chmod 755 exp2
ls -1 exp2
chmod 644 exp2
ls -1 exp2
```



## **TASK 5: [Flle Viewing]**

### **Task Statement:**

• [Create a file called expe6.sh with numbers 1 to 20 (each on a new line). Display only the first 5 lines, then only the last 3 lines, then search for lines containing the number "1".]

### **Explanation:**

• [I can quickly generate a list of numbers by running seq 1 20 > numbers.txt. To check the first few numbers, I use head -n 5 to see the first 5 lines, and tail -n 3 to see the last 3 lines. If I want to find all numbers containing a "1", I can use grep "1". Alternatively, I could create the list manually by using multiple echo commands.]

```
seq 1 20 > numbers.txt
head -n 5
tail -n 3
grep "1"
```

```
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ ls
                                                                                                                exp6.1.sh expe6.sh experio.sh
exp6.2.sh expee6.sh expfunction.sh
exp6.sh exper6.sh expp6.sh
                              archive2.tar
backup_file.txt
                                                                                                                                                                                                             file4.sh
 archive1.tar.gz
archive1tar.bz2
                                                                                        exp.2.sh
                                                                                                                                                                                     file3 sh
                                                                                                                                                                                                             file5
 archiveltar.bz2 backup_original.txt error.log exp6 exp6.sh exper6.sh exvaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ head expee6.sh
                                                                                                                                                                                      file3.sh.gz
                                                                                                                                                                                                                               orig.txt
i=1
until [ $i -gt 5 ]
       echo "Count: $i"
i=$((i+1))
done
 vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ head -n 5 expe6.sh
while [ $i -le 5 ]
do
              echo "Count: $i"
i=$((i+1))
 vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ head -c 20 expe6.sh
i=1
i=1
while [ $i -le 5vaishnavii29@DESKTOP-BSK57E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ tall expe6.sh
Command 'tall' not found, did you mean:
command 'pall' from snap pall (3.0.1)
command 'tali' from snap tali (40.9)
command 'tali' from deb casacore-tools (3.5.0-4ubuntu2)
command 'tali' from deb tali (1:40.9-1)
command 'tail' from deb coreutils (9.4-2ubuntu2)
command 'wall' from deb bsdutils (1:2.39.3-9ubuntu6.3)
command 'talk' from deb inetutils-talk (2:2.4-3ubuntu1)
   command 'talk' from deb inetutils-talk (2:2.4-3ubuntul)
command 'talk' from deb talk (0.17-18)
ee 'snap info <snapname>' for additional versions.
 vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ tail expe6.sh
while [ $i -le 5 ]
do
               echo "Count: $i"
               i=$((i+1))
done
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ tail -n 15 exp.1.sh tail: cannot open 'exp.1.sh' for reading: No such file or directory vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ tail -n 15 exp6.1.sh
   Rain showers
                                                                                                                        V 🗇 🖿 📜 🥲 🚯 💖 🗭 🔘 🥬 🝱
                                                                                         Q Search
```

## **TASK 6: [Text Editing]**

#### **Task Statement:**

• [Using nano, create a file called config.txt with the following content:

Database=localhost Port=5432 Username=admin

Save the file and then display its contents.]

## **Explanation:**

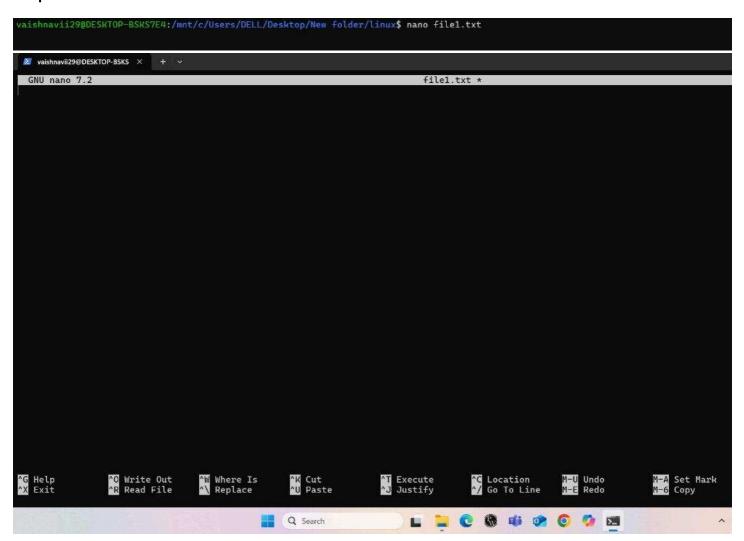
• [I open a file in Nano using nano file1.txt and type my content normally. Once I'm done, I press Ctrl+O to save the file and Ctrl+X to exit Nano. After that, I use cat to check the contents and make sure everything was saved correctly.]

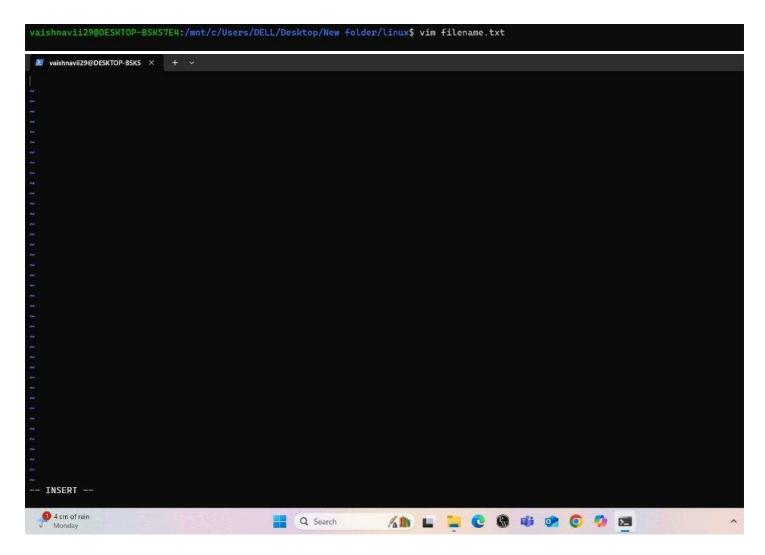
# Command(s):

vim filename.txt

#### **Alternatively**

nano file1.txt





# **TASK 7: [System Information]**

### **Task Statement:**

• [Create a file called system\_info.txt that contains: your username, current date, your current directory, and disk usage information in human-readable format.]

### **Explanation:**

• [I can use whoami to check my username, date to see the current date, and pwd to know my current directory. To check disk usage, I use df -h. I can save the output of any command to a file by using redirection like command >> filename.txt. If I want to add labels, I use echo like this: echo "Username:" >> file.txt.]

```
cd scripts
touch system_info.txt
echo "Username:" >> system_info.txt
whoami >> system_info.txt
echo "Date:" >> system_info.txt
date >> system_info.txt
echo "Current Directory:" >> system_info.txt
pwd >> system_info.txt
echo "Disk Usage:" >> system_info.txt
df -h >> system_info.txt
```

```
vaishnavii29@DESKTOP-BSKS × + ~
  vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ whoami
 vaishnavii29
  vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ who
                                                                                2025-09-14 05:51
 vaishnavii29 pts/1
                                                      TOP-BSKS7E4:
                                                                                                         c/Users/DELL/Desktop/New folder/linux<mark>$ sudo apt update</mark>
 [sudo] password for vaishnavii29:
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1118 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
 Get:6 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1389 kB]
Get: http://security.ubuntu.com/ubuntu noble-updates/main amd64 Components [21.5 kB]
Get: http://security.ubuntu.com/ubuntu noble-updates/main Translation-en [274 kB]
Get: http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get: http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get: http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.2 kB]
Get: http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1483 kB]
Get: http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [1871 R
 Get:12 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8712 B]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [879 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [195 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [298 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.3 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [18.0 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B] Get:18 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B] Get:20 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB] Get:21 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.0 k]
Get:21 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.0 kB]
Get:22 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1840 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [410 kB]
Get:24 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:25 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [500 B]
Get:26 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [41.9 kB]
Get:27 http://archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [7064 B]
Get:28 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:29 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [644 B]
Get:30 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [7086 R]
Get:30 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7056 B]
Get:31 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [19.2 kB]
Get:32 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:33 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Fetched 9043 kB in 10s (899 kB/s)
Reading package lists... Done
    Trending videos
A Big Bold Beau.
                                                                                                                                              Q Search
                                                                                                                                                                                                                All 🗀 📜 🕲 🚷 🍪 🥩 🖄 🖼
```

## **TASK 8: [Process and History]**

#### **Task Statement:**

• [Display your command history and count how many commands you've executed. Then show the top 10 most recent commands.]

### **Explanation:**

• [I can use history to see all the commands I've typed. To count the total number of commands, I use history | wc -l. If I want to view just the last 10 commands, I can use history | tail -10. The wc -l command simply counts the number of lines in the output.]

# Command(s):

history history 20

```
≥ valshnavii29@DESKTOP-BSKS × +
sudo apt install nemo && NEMO
sudo apt update -y
touch first txt
     8 9
        virtualbox
sudo apt install virtualbox-qt
virtualbox
    10
        CR mkdir
mkdir -p lab3
rmdir lab3/
    13
         man man
touch lab3/file1
man mkdir
   17
18
         mkdir -p lab3
touch lab3/file1
    19
   20
   21
         ls
         touch ./lab3/file1
         nano readme.txt
   24
         readmevim.txt
vim readmevim.txt
    25
         whoami
         who
who --help
   28
    29
         uname
         uname -a
         df
         history
   32
         history | grep "man"
history > hsitory2.txt
rm hsitory2.txt
    33
    34
    35
         echo $SHELL
    36
        ecno $SHELL
vim .text.sh
vim .txt
vim .txtl.sh
mv .txtl.sh testl.sh
    38
    39
    40
  29°C
                                                                                       V 🖢 🔚 🕲 🚷 🍪 🧀 🔘 🥬 🖼
                                                           Q Search

    vaishnavii29@DESKTOP-BSKS 
    ★ 
    ✓

         clear
        top
htop
  569
  570
  571
         sudo apt install htop
         htop
  573
         clear
        history
  574
                 DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ history 20
  556
557
         sudo apt update
         clear
  558
         unname
  559
         clear
  560
         uname
  561
         uname -a
  562
         uname -r
  563
         uname
  564
        df
df -h
  565
  566
         df-h /
         df -h /
  568
         clear
  569
         top
  570
         htop
  571
         sudo apt install htop
         htop
clear
  572
  573
         history
  575
         history 20
  aishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ history | grep htop
  570
         sudo apt install htop
576 history | grep htop
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ ! !
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ !!
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ !567 df -h /
Filesystem Size Used Avail Use% Mounted on
Filesystem Size Used Avail Use% Mounted on /dev/sdd 1007G 3.0G 953G 1% / vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ S
/dev/sdd
  Heavy rain
                                                                                       All 🖿 📜 🕲 🚷 🐗 🧀 🔘 🥦 💌
                                                           Q Search
```

# **TASK 10: [Comprehensive Cleanup]**

### **Task Statement:**

• [Set the permissions of your backup.sh script to be readable, writable, and executable by owner, readable and executable by group, and readable by others. Then create a summary file that lists the total number of files and directories in your entire test\_project.]

## **Explanation:**

• [I can set permissions for backup.sh using chmod 754 backup.sh to give rwxr-xr-- permissions. Alternatively, I can use chmod u=rwx,g=rx,o=r backup.sh. To count all files, I use find . -type f | wc -l, and to count directories, I use find . -type d | wc -l. If I want to see the full directory structure recursively, I use ls -R. I can also combine multiple commands with && or save the outputs to a summary file for later reference.]

## Command(s):

find . -type f
find . -type d

```
    vaishnavii29@DESKTOP-BSKS 
    ★

 vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -name file3
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -iname FILE3
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find . /home -type d -name dir_1
                    vii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find . /home -type f -name file3
  ./dir_1/file3
./dir_1/file3
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -type l
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find ./home -type l-
find: Must separate multiple arguments to -type using: ','
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find ./home -type l
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -size +100M
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -size +1KB
find: invalid -size type 'P'
find: invalid -size type 'B'
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -size +1k
 /home
/nome/vaishnavii29/a.out
/home/vaishnavii29/a.out
/home/vaishnavii29/.cache
/home/vaishnavii29/.bash_history
/home/vaishnavii29/VirtualBox VMs
/home/vaishnavii29/VirtualBox VMs/linux
/home/vaishnavii29/VirtualBox VMs/linux/linux.vbox
/home/vaishnavii29/VirtualBox VMs/linux/linux.vdi
 /home/vaishnavii29/VirtualBox VMs/linux/linux.vbox-prev
/home/vaishnavii29/public_folder
/home/vaishnavii29/documents
 /home/vaishnavii29/documents/projects
 /home/vaishnavii29/documents/projects/linux_tutorial/home/vaishnavii29/documents/projects/linux_tutorial/home/vaishnavii29/.scriptexp5.sh.swo/home/vaishnavii29/.bashrc/home/vaishnavii29/dir3
/home/vaishnavii29/dir3
/home/vaishnavii29/dir1
/home/vaishnavii29/.landscape
/home/vaishnavii29/.local
/home/vaishnavii29/.local/share
/home/vaishnavii29/.local/share/nano
/home/vaishnavii29/.local/share/gedit
/home/vaishnavii29/.local/share/flatpak
/home/vaishnavii29/.local/share/flatpak/
/home/vaishnavii29/.local/share/flatpak/b
/home/vaishnavii29/.local/share/recently-used.xbel
/home/vaishnavii29/dir11
      ◎ 28°C
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                                                                                                                        Q Search

    vaishnavii29@DESKTOP-BSKS 
    ★ 
    ✓

  /home/vaishnavii29/.viminfo
 /home/vaishnavii29/.scriptexp5.sh.swp
/home/vaishnavii29/dir2
   aishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -mtime -7
  /home/vaishnavii29
 /home/vaishnavii29/a.out
/home/vaishnavii29/.motd_shown
/home/vaishnavii29/first.c
 /home/vaishnavii29/.bash_history
/home/vaishnavii29/.lesshst
/home/vaishnavii29/VirtualBox VMs
 /home/vaishnavii29/VirtualBox VMs/linux
/home/vaishnavii29/VirtualBox VMs/linux/linux.vbox
/home/vaishnavii29/VirtualBox VMs/linux/linux.vdi
/home/vaishnavii29/VirtualBox VMs/linux/linux.vbox-prev
 /home/vaishnavii29/public_folder
/home/vaishnavii29/dublic_folder
/home/vaishnavii29/documents
/home/vaishnavii29/documents/projects
/home/vaishnavii29/documents/projects/linux_tutorial
   home/vaishnavii29/first2.c
 /home/vaishnavii29/dir3
/home/vaishnavii29/dir1
 /nome/vaishnavii29/.local/share
/home/vaishnavii29/.local/share/gedit
/home/vaishnavii29/.local/share/gedit/gedit-metadata.xml
/home/vaishnavii29/.local/share/flatpak
/home/vaishnavii29/.local/share/flatpak/db
 /home/vaishnavii29/.local/share/recently-used.xbel
/home/vaishnavii29/dir11
/home/vaishnavii29/exp2
/home/vaishnavii29/exp2
/home/vaishnavii29/.config
/home/vaishnavii29/.config/gedit
/home/vaishnavii29/.config/gedit/accels
/home/vaishnavii29/.config/htop
/home/vaishnavii29/.config/htop/htoprc
/home/vaishnavii29/.config/VirtualBox
/home/vaishnavii29/.config/VirtualBox/selectorwindow.log.2
/home/vaishnavii29/.config/VirtualBox/VBoxSVC.log.7
/home/vaishnavii29/.config/VirtualBox/VBoxSVC.log.6
/home/vaishnavii29/.config/VirtualBox/selectorwindow.log.3
/home/vaishnavii29/.config/VirtualBox/selectorwindow.log.5
      € 28°C
                                                                                                                                                                                    Q Search
```

















```
vaishnavii29@DESKTOP-BSKS X
   /home/vaishnavii29/.config/QtProject.conf
/home/vaishnavii29/.viminfo
/home/vaishnavii29/dir2
    vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -atime +30
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -ctime -1
   /home/vaishnavii29/.motd_shown
/home/vaishnavii29/.bash_history
  /nome/vaishnavii29/.bash_logout
/home/vaishnavii29/.bash_logout
/home/vaishnavii29/.cache/motd.legal-displayed
/home/vaishnavii29/.profile
/home/vaishnavii29/.scriptexp5.sh.swo
/home/vaishnavii29/first2.c
/home/vaishnavii29/first2.c
/home/vaishnavii29/file1
/home/vaishnavii29/file1
/home/vaishnavii29/.local/share/gedit/gedit-metadata.xml
/home/vaishnavii29/.config/gedit/accels
/home/vaishnavii29/.config/enchant/en_US.exc
/home/vaishnavii29/.config/enchant/en_US.dic
/home/vaishnavii29/.config/enchant/en_US.dic
/home/vaishnavii29/.config/enchant/en_US.dic
/home/vaishnavii29/.scriptexp5.sh.swp
/home/vaishnavii29/.scriptexp5.sh.swp
/home/vaishnavii29/.scriptexp5.sh.swp
/home/vaishnavii29/.sudo_as_admin_successful
/home/vaishnavii29/file2
vaishnavii29@DESKTOP-BSKSTE4:/mnt/c/Users/DELL/Desktop/Ne
                                                                                          t/c/Users/DELL/Desktop/New folder/linux$ find /home -perm 644
      aishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -perm -644
    /home
    .
/home/vaishnavii29/.bash_logout
    /home/vaishnavii29/a.out
/home/vaishnavii29/.motd_shown
/home/vaishnavii29/scriptexp5.sh
   /nome/vaishnavi129/.cache/motd.legal-displayed
/home/vaishnavi129/.profile
/home/vaishnavi129/test1.sh
/home/vaishnavi129/first.c
/home/vaishnavi129/VirtualBox VMs
   /nome/vaishnavii29/VirtualBox VMs/linux
/home/vaishnavii29/VirtualBox VMs/linux
/home/vaishnavii29/documents
/home/vaishnavii29/documents/projects
    /home/vaishnavii29/documents/projects/linux_tutorial
                                                                                                                                                                                  Q Search
  /home/vaishnavii29/.sudo as admin successful
  /home/vaishnavii29/file2
   vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$
vaishnavii29@DESKTOP-BSKS7E4:/mnt/c/Users/DELL/Desktop/New folder/linux$ find /home -perm /111
  /home
  /home/vaishnavii29
  /home/vaishnavii29/a.out
 /home/vaishnavii29/a.out
/home/vaishnavii29/scriptexp5.sh
/home/vaishnavii29/cache
/home/vaishnavii29/test1.sh
/home/vaishnavii29/first.c
/home/vaishnavii29/VirtualBox VMs
/home/vaishnavii29/VirtualBox VMs/linux
  /home/vaishnavii29/public_folder
  /home/vaishnavii29/documents
 /home/vaishnavii29/documents/projects
/home/vaishnavii29/documents/projects/linux_tutorial
  /home/vaishnavii29/dir3
 /home/vaishnavii29/dir3
/home/vaishnavii29/dir1
/home/vaishnavii29/.landscape
/home/vaishnavii29/.local
/home/vaishnavii29/.local/share
/home/vaishnavii29/.local/share/nano
/home/vaishnavii29/.local/share/gedit
/home/vaishnavii29/.local/share/flatpak
/home/vaishnavii29/.local/share/flatpak/db
  /home/vaishnavii29/dir11
/home/vaishnavii29/dir11
/home/vaishnavii29/script5.sh
/home/vaishnavii29/.config
/home/vaishnavii29/.config/gedit
/home/vaishnavii29/.config/htop
/home/vaishnavii29/.config/dconf
/home/vaishnavii29/.config/procps
/home/vaishnavii29/.config/enchant
/home/vaishnavii29/.config/enchant
/home/vaishnavii29/script.sh
/home/vaishnavii29/dir2
```