

Newton Kyalo Muli

Graded Assignment

Question 2

1. Create a directory named reports in home directory. Set Permission so that only the owner can read, write and execute in this directory while others have no access

Steps

- i. Created a directory in the home folder using mkdir command >mkdir ~/reports
- ii. Set permissions using chmod so only the owner has read, write and execute access > chmod 700 ~/reports
- iii. Verified permission with >ls -ld ~/reports

```
File Edit View Terminal Tabs Help
coder@ba7cba181fff:~$ mkdir ~/reports
coder@ba7cba181fff:~$ chmod 700 ~/reports
coder@ba7cba181fff:~$ ls -ld ~/reports
drwx----- 2 coder coder 2 Dec 29 13:06 /home/coder/reports
coder@ba7cba181fff:~$
```

2. Inside the reports directory create a new text file named “monthly_report.txt” set the permissions so that the owner can read and write, the group can read and others have no access

Steps

- i. Navigated to reports directory using > cd ~/reports
- ii. Create a new file using >touch monthly_report.txt
- iii. Set permission for owner to read/write, group read and others none using > chmod 640 monthly_report.txt
- iv. Verify permission with >ls -l monthly_report.txt

```
File Edit View Terminal Tabs Help
coder@ba7cba181fff:~$ cd ~/reports
coder@ba7cba181fff:~/reports$ touch monthly_report.txt
coder@ba7cba181fff:~/reports$ chmod 640 monthly_report.txt
coder@ba7cba181fff:~/reports$ ls -l monthly_report.txt
-rw-r----- 1 coder coder 0 Dec 29 13:12 monthly_report.txt
coder@ba7cba181fff:~/reports$
```

3. Copy the “monthly_report.txt” file from the reports directory to another directory maintaining the original permissions

Steps

- i. Created a destination directory in the home folder dest_dir
- ii. copy file while preserving permission by using cp with -p flag
>cp -p ~/reports/monthly_report.txt ~/dest_dir
- iii. Verified permission using command ls with -l flag

```
File Edit View Terminal Tabs Help
coder@ba7cba181fff:~$ mkdir dest_dir
coder@ba7cba181fff:~$ cp -p ~/reports/monthly_report.txt ~/dest_dir/
coder@ba7cba181fff:~$ ls -l ~/reports/monthly_report.txt
-rw-r----- 1 coder coder 0 Dec 29 13:12 /home/coder/reports/monthly_report.txt
coder@ba7cba181fff:~$ ls -l ~/dest_dir/monthly_report.txt
-rw-r----- 1 coder coder 0 Dec 29 13:12 /home/coder/dest_dir/monthly_report.txt
coder@ba7cba181fff:~$
```

4. Move the monthly_report.txt file from another directory to the reports directory and maintain the original file permissions

Steps

- i. Move file to reports directory using the mv command

```
coder@ba7cba181fff:~$ mv ~/dest_dir/monthly_report.txt ~/reports/
coder@ba7cba181fff:~$
```

5. List all the files with the reports directory including hidden files

Steps

- i. Used the command > `ls -la ~/reports`

```
File Edit View Terminal Tabs Help
coder@ba7cba181fff:~$ ls -la ~/reports
.  ..  monthly_report.txt
coder@ba7cba181fff:~$
```

6. Rename the reports directory to quarterly_reports without changing its location or contents

Steps

- i. Used mv command > `mv ~/reports ~/quarterly_reports`

```
File Edit View Terminal Tabs Help
coder@ba7cba181fff:~$ mv ~/reports ~/quarterly_reports
coder@ba7cba181fff:~$
```

7. Create a new directory named backups in home directory. Inside backups create a subdirectory named daily and another named weekly

Steps

- i. Create a directory with mkdir with the -p flag to create subdirectories

```
File Edit View Terminal Tabs Help
coder@ba7cba181fff:~$ mkdir -p ~/backups/daily ~/backups/weekly
coder@ba7cba181fff:~$
```

8. Create an empty file named important.txt in daily subdirectory

Steps

Create a empty file using the touch command

```
File Edit View Terminal Tabs Help
coder@ba7cba181fff:~$ touch ~/backups/daily/important.txt
coder@ba7cba181fff:~$
```

9. Move the important.txt file from daily to weekly subdirectory maintaining the file name

Steps

- i. Move the files using the mv command

```
File Edit View Terminal Tabs Help
coder@ba7cba181fff:~$ mv ~/backups/daily/important.txt ~/backups/weekly/
coder@ba7cba181fff:~$
```

10. Display the absolute path of current working directory

Use the pwd command

```
coder@ba7cba181fff:~$ pwd
/home/coder
coder@ba7cba181fff:~$
```