# Task 7.2: Hackers

## **Basic Linux Commands Practice**

#### 1. cd

- Usage: The cd command is used to change the current directory.
- Example: cd Downloads changes the directory to /home/ess/Downloads.

```
ess@Esraa:~$ cd Downloads
ess@Esraa:~/Downloads$
```

#### 2. cd ..

- Usage: The cd .. command moves the user up one level in the directory structure.
- Example: If you're in /home/ess/Downloads, running cd .. will take you to /home/ess.

```
ess@Esraa:~/Downloads$ cd ..
ess@Esraa:~$
```

#### 3. ls

- Usage: The ls command lists the contents of a directory.
- Example: Is displays the files and directories in the current directory.

#### 4. ls -1

- Usage: The ls -l command lists the contents of a directory in long format, showing detailed information such as file permissions, owner, size, and modification date.
- Example: ls -l displays a detailed list of files and directories in the current directory.

```
ess@Esraa:~$ ls -l
total 50308
drwxrwxr-x 4 ess ess
                          4096 23:40 16
drwxr-xr-x 2 ess ess
                          4096 02:41 12
drwxr-xr-x 2 ess ess
                          ملی 4096 02:41 12
drwxr-xr-x 3 ess ess
                          4096 18:10 10
drwxrwxr-x 2 ess ess
                          4096 21:36 19
                                             kubectl
-rw-rw-r-- 1 ess ess 51454104 00:42 21
                          ملي 12 4096 02:41
drwxr-xr-x 2 ess ess
drwxr-xr-x 3 ess ess
                          ملى 12 21:21 4096
drwxrwxr-x 3 ess ess
                          4096 00:11 17
                          ملې 4096 02:41 12
drwxr-xr-x 2 ess ess
drwx----- 5 ess ess
                          ملى 12 38:38 4096
                          ملی 12 4096 02:41
drwxr-xr-x 2 ess ess
                          ملى 12 38:38 4096
drwxrwxr-x 3 ess ess
                                             'Untitled Document 1'
                            72 19:41 24
drwxr-xr-x 2 ess ess
                          4096 02:41 12
```

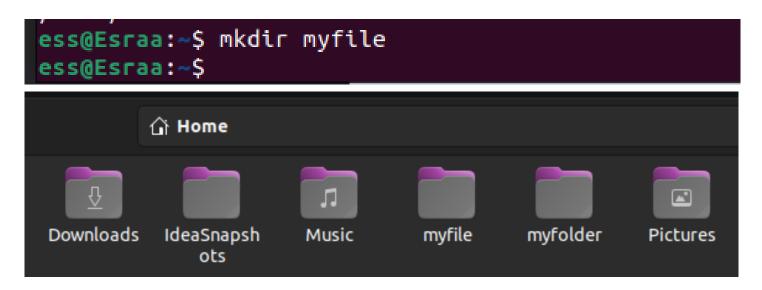
### 5. ls -a

- Usage: The ls -a command lists all contents of a directory, including hidden files (those starting with a dot .).
- Example: ls -a shows all files, including hidden ones, in the current directory.

```
ess@Esraa:~$ ls -a
. .bash_logout clion_projects Documents .gitconfig IdeaSnapshots .jmc .local Music
Pictures projects .ssh ... .bashrc .config Downloads .gnome .java .kube .m2 .nuget
.pki Public .sudo_as_admin_successful Tools
.bash_history .cache Desktop .emacs.d .gnupg .jdks kubectl .minikube .password-store
.profile snap .swt 'Untitled Document 1'
```

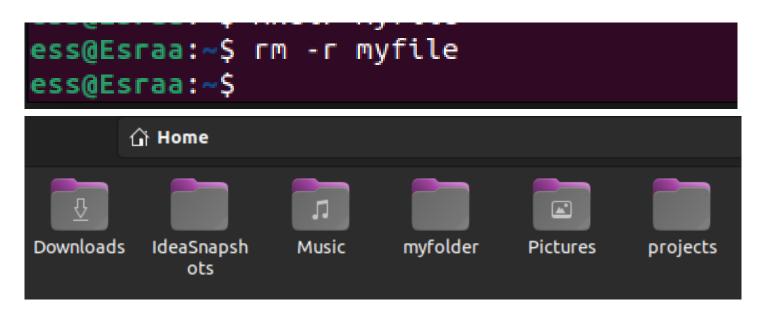
#### 6. mkdir

- Usage: The mkdir command creates a new directory.
- Example: mkdir newfile creates a directory named newfilein the current location.



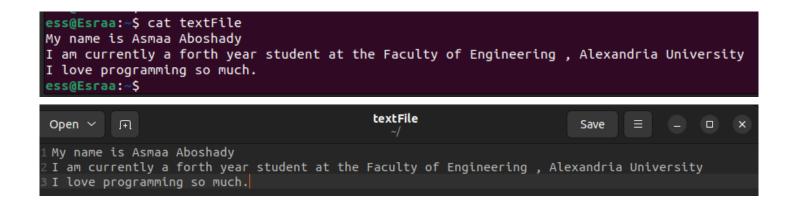
#### 7. rm -r

- Usage: The rm -r command recursively removes a directory and all its contents.
- Example: rm -r myfile deletes the directory myfile and everything inside it.



#### 8. cat

- Usage: The cat command is used to concatenate and display the contents of files.
- Example: cat textfile displays the contents of textfile in the terminal.



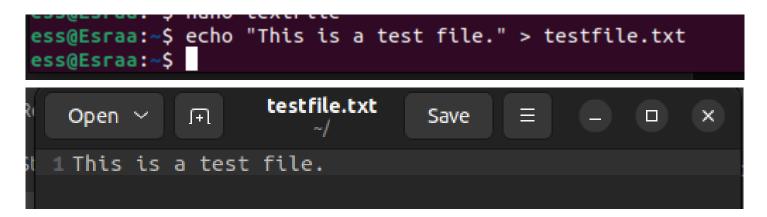
#### 9. nano

- Usage: The nano command opens a simple text editor in the terminal, allowing you to create or edit files.
- Example: nano textfileopens textfile in the Nano text editor.



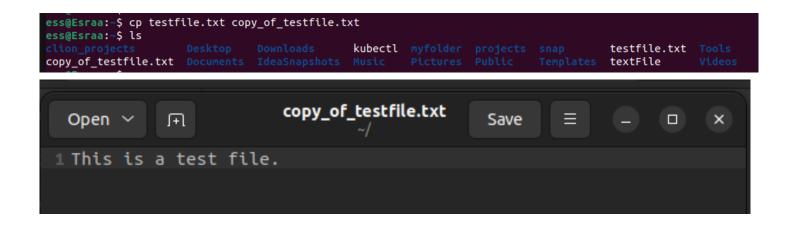
#### 10. echo

- Usage: The echo command outputs the given string to the terminal or writes it to a file.
- Example: echo "Hello, World!" prints "Hello, World!" to the terminal. echo "This is a test file" > testfile.txt writes "This is a test file" to a file named testfile.txt.



## 11. cp

- Usage: The cp command o copy the file to a new location or with a new name..
- Example: cp testfile.txt copy\_of\_testfile.txt This command creates a copy of testfile.txt and names it copy\_of\_testfile.txt in the same directory.



## 12. pwd

- Usage: The pwd command prints the current working directory, showing the full path to the directory you are currently in.
- Example: pwd might display something like /home/user/Documents, indicating your current location in the filesystem.

ess@Esraa:~\$ pwd /home/ess