



Fatima Jinnah Women University

Department of Software Engineering

LAB 2

Name: Raifa Khalid

Reg. no: 2020-BSE-024

Section: A

Semester: Third

Course: Operating System (LAB)

TASK

Verify that you are in your home directory. Make the directory *FIRST* using the following command. List the files in the current directory to verify that the directory *FIRST* has been made correctly. Change directories to *LABS*. Create the file named *file1*. List the contents of the file *file1* to the screen. Make a copy of the file *file1* under the name *file2*. Verify that the files *file1* and *file2* both exist. List the contents of both *file1* and *file2* to the monitor screen. Then delete the file *file1*. Clear the window. Rename *file2* to *thefile*. Copy *thefile* to your home directory. Remove *thefile* from the current directory. Copy *thefile* from your home directory to the current directory. Change directories to your home directory. Remove *thefile* from your home directory and from directory *LABS*. Verify *thefile* is removed from the directory *LABS*. Remove the directory *LABS* from your home directory with the following command. Verify that *thefile* and *LABS* are gone from your home directory.

- Verify that you are in your home directory.

```
raifa@ubuntu:~$ pwd
/home/raifa
```

- Make the directory *FIRST* using the following command. List the files in the current directory to verify that the directory *FIRST* has been made correctly.

```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

raifa@ubuntu:~$ pwd
/home/raifa
raifa@ubuntu:~$ mkdir First
raifa@ubuntu:~$ ls
Desktop    Downloads      First  Pictures  Templates
Documents  examples.desktop  Music  Public    Videos
raifa@ubuntu:~$
```

- Change directories to *LABS*. Create the file named *file1*. List the contents of the file *file1* to the screen.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
raifa@ubuntu:~$ pwd
/home/raifa
raifa@ubuntu:~$ mkdir First
raifa@ubuntu:~$ ls
Desktop  Downloads      First  Pictures  Templates
Documents examples.desktop Music    Public    Videos
raifa@ubuntu:~$ mkdir Labs
raifa@ubuntu:~$ cd Labs
raifa@ubuntu:~/Labs$ cat >file1
hello
raifa@ubuntu:~/Labs$ ls
file1
raifa@ubuntu:~/Labs$
```

- Make a copy of the file *file1* under the name *file2*. Verify that the files *file1* and *file2* both exist. List the contents of both *file1* and *file2* to the monitor screen.

```
raifa@ubuntu:~/Labs$ cp /home/raifa/Labs/file1 /home/raifa/Labs/file2
raifa@ubuntu:~/Labs$ ls
file1 file2
raifa@ubuntu:~/Labs$
```

- List the contents of both *file1* and *file2* to the monitor screen. Then delete the file *file1*.

```
raifa@ubuntu:~/Labs$ ls -al
total 16
drwxrwxr-x  2 raifa raifa 4096 Oct  9 06:36 .
drwxr-xr-x 16 raifa raifa 4096 Oct  9 06:03 ..
-rw-rw-r--  1 raifa raifa   6 Oct  9 06:04 file1
-rw-rw-r--  1 raifa raifa   6 Oct  9 06:37 file2
raifa@ubuntu:~/Labs$ rm file1
raifa@ubuntu:~/Labs$
```

- Clear the window. Rename *file2* to *thefile*.

```
File Edit View Search Terminal Help
raifa@ubuntu:~/Labs$ mv file2 thefile
```

- Copy *thefile* to your home directory. Remove *thefile* from the current directory. Copy *thefile* from your home directory to the current directory. Change directories to your home directory. Remove *thefile* from your home directory and from directory *LABS*.

```
raifa@ubuntu:~/Labs$ cp /home/raifa/Labs/thefile /home/raifa/
raifa@ubuntu:~/Labs$ rm thefile
raifa@ubuntu:~/Labs$ cp /home/raifa/thefile /home/raifa/Labs
raifa@ubuntu:~/Labs$ cd
raifa@ubuntu:~$ pwd
/home/raifa
raifa@ubuntu:~$ rm thefile
raifa@ubuntu:~$ cd Labs
raifa@ubuntu:~/Labs$ rm thefile
```

- Verify *thefile* is removed from the directory *LABS*. Remove the directory *LABS* from your home directory with the following command. Verify that *thefile* and *LABS* are gone from your home directory.

```
raifa@ubuntu:~/Labs$ ls
raifa@ubuntu:~/Labs$ cd
raifa@ubuntu:~$ rm -r Labs
raifa@ubuntu:~$ ls -al
total 92
drwxr-xr-x 15 raifa raifa 4096 Oct  9 07:08 .
drwxr-xr-x  3 root  root  4096 Sep 22 10:14 ..
-rw-r--r--  1 raifa raifa  108 Oct  9 06:02 .bash_history
-rw-r--r--  1 raifa raifa  220 Sep 22 10:14 .bash_logout
-rw-r--r--  1 raifa raifa 3771 Sep 22 10:14 .bashrc
drwx----- 11 raifa raifa 4096 Oct  9 05:44 .cache
drwx----- 11 raifa raifa 4096 Sep 22 10:33 .config
drwxr-xr-x  2 raifa raifa 4096 Sep 22 10:31 Desktop
drwxr-xr-x  2 raifa raifa 4096 Sep 22 10:31 Documents
drwxr-xr-x  2 raifa raifa 4096 Sep 22 10:31 Downloads
-rw-r--r--  1 raifa raifa 8980 Sep 22 10:14 examples.desktop
drwxrwxr-x  2 raifa raifa 4096 Oct  9 06:03 First
drwx-----  3 raifa raifa 4096 Sep 22 10:30 .gnupg
-rw-r--r--  1 raifa raifa 1276 Oct  9 05:42 .ICEauthority
drwx-----  3 raifa raifa 4096 Sep 22 10:30 .local
drwxr-xr-x  2 raifa raifa 4096 Sep 22 10:31 Music
drwxr-xr-x  2 raifa raifa 4096 Sep 22 10:31 Pictures
-rw-r--r--  1 raifa raifa  807 Sep 22 10:14 .profile
drwxr-xr-x  2 raifa raifa 4096 Sep 22 10:31 Public
drwxr-xr-x  2 raifa raifa 4096 Sep 22 10:31 Templates
drwxr-xr-x  2 raifa raifa 4096 Sep 22 10:31 Videos
raifa@ubuntu:~$
```