



## **Bangladesh University of Business and Technology (BUBT)**

**LAB– 01**

**Course Code:** CSE 310

**Course Name:** Operating Systems Lab

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Intake: 50

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1. Display the path of your current directory.

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~$ pwd
/home/student
```

2. Create a new directory called "LabFiles" in your home directory.

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~$ mkdir LabFiles
```

3. Navigate into the "LabFiles" directory.

```
bash: cd: LabFiles: No such file or directory
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~$ cd LabFiles
```

4. Create 3 new directories inside "LabFiles": FileDir1, FileDir2, FileDir3.

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~$ cd LabFiles
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ mkdir FileDir1
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ mkdir FileDir2
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ mkdir FileDir3
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ ls
FileDir1  FileDir2  FileDir3
```

5. Create three new files inside the new directories as follows: "file1.txt," inside FileDir1 "file2.txt" inside FileDir2

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ cd FileDir1
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir1$ touch file1.txt
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir1$ ls
file1.txt
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir1$ cd ..
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ cd FileDir2
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir2$ touch file2.txt
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir2$ ls
file2.txt
```

6. List the files in the "LabFiles" directory using the 'ls' command.

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~$ ls
cpdir  Desktop  Documents  Downloads  folder1  folder3  folder4  LabFiles  Music  mydir  os  Pictures  Public  Templates  test.text  Videos
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~$
```

7. Add some contents in the "file1.txt" and "file2.txt" file from the terminal.

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir1$ nano file1.txt
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir1$ cat file1.txt
Hi every one

student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir2$ nano file2.txt
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir2$ cat file2.txt
Hello
```

8. Display the contents of "file1.txt" using the 'cat' command.

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir1$ cat file1.txt
Hi every one
```

9. Make a copy of "file1.txt" called "backup.txt" using the 'cp' command in the "LabFiles" directory.

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir2$ cd ..
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ cp FileDir1/file1.txt backup.txt
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ ls
backup.txt  FileDir1  FileDir2  FileDir3
```

10. Rename "file2.txt" to "newfile.txt."

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ cd FileDir2
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles/FileDir2$ mv file2.txt newfile.txt
```

11. Move "newfile.txt" to the FileDir3 using the 'mv' command changing its name to "newfile2.txt".

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ mv FileDir2/newfile.txt FileDir3/newfile2.txt
```

12. Remove "file1.txt" from the FileDir1 directory.

```
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ rm FileDir1/file1.txt
student@bubt-HP-ProDesk-400-G7-Microtower-PC:~/LabFiles$ █
```