LONDON METROPOLITAN UNIVERSITY

islington college
(इस्लिङ्टन कलेज)

Module Code & Module Title

Level 5 – Network Operating Systems

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Word Count (Where Required):

Steps Required

1. Create the directory structure presented in the figure below. Use **mkdir** command and relative pathnames from your home directory. Try both: no option and **–p** option, for the command.

```
bibhuti_sigdel@Bibhuti: ~         ×    +   ∨                                    —   □   ×

bibhuti_sigdel@Bibhuti:~$ mkdir -p w7/{w7-1/{1level3,2level3},w7-2/{3level3,
4level3}}
bibhuti_sigdel@Bibhuti:~$ tree w7
w7
├── w7-1
│   ├── 1level3
│   └── 2level3
└── w7-2
    ├── 3level3
    └── 4level3

7 directories, 0 files
bibhuti_sigdel@Bibhuti:~$
```

2. Change to the **1level3** directory by one step using a relative pathname.

```
bibhuti_sigdel@Bibhuti:~$ ped
-bash: ped: command not found
bibhuti_sigdel@Bibhuti:~$ pwd
/home/bibhuti_sigdel
bibhuti_sigdel@Bibhuti:~$ cd /home/bibhuti_sigdel/W7/W7-1/1level3
bibhuti_sigdel@Bibhuti:~/W7/W7-1/1level3$ ls
bibhuti_sigdel@Bibhuti:~/W7/W7-1/1level3$ cd ../2level3
bibhuti_sigdel@Bibhuti:~/W7/W7-1/2level3$
```

3. Practice in changing directories in your directory structure by one command using relative pathnames, e.g., from **1level3** to **2level3**, from **2level3** to **4level3**, from **4level3** to **W7**, etc. Use names of parent and child directories ('**.**' and '**..**') as well.

```
bibhuti_sigdel@Bibhuti: ~/w7    ×    +    ∨                                    —    ▢    ✕

bibhuti_sigdel@Bibhuti:~$ mkdir -p w7/{w7-1/{1level3,2level3},w7-2/{3level3,
4level3}}
bibhuti_sigdel@Bibhuti:~$ tree w7
w7
├── w7-1
│   ├── 1level3
│   └── 2level3
└── w7-2
    ├── 3level3
    └── 4level3

7 directories, 0 files
bibhuti_sigdel@Bibhuti:~$ cd w7/w7-1/1level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../4level3
-bash: cd: ../4level3: No such file or directory
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../../w7-2/4level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/4level3$ cd ../..
bibhuti_sigdel@Bibhuti:~/w7$ |
```

4. Change to **1level3** and create a text file by any tool.

```
bibhuti_sigdel@Bibhuti: ~/w7  ×      +   ∨                                    —   □   ×

bibhuti_sigdel@Bibhuti:~$ mkdir -p w7/{w7-1/{1level3,2level3},w7-2/{3level3,
4level3}}
bibhuti_sigdel@Bibhuti:~$ tree w7
w7
├── w7-1
│   ├── 1level3
│   └── 2level3
└── w7-2
    ├── 3level3
    └── 4level3

7 directories, 0 files
bibhuti_sigdel@Bibhuti:~$ cd w7/w7-1/1level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../4level3
-bash: cd: ../4level3: No such file or directory
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../../w7-2/4level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/4level3$ cd ../..
bibhuti_sigdel@Bibhuti:~/w7$ cd w7-1/1level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cat > bibhuti
Hello, This is a text file
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$
```

5. Copy this text file from **1level3** to **1level3** (with the name **file1**), **2level3**, and to **3level3** changing its name. Show that there are these files in corresponding directories.

```
bibhuti_sigdel@Bibhuti: ~/w7    ×    +    ⌄                                    —    □    ×

bibhuti_sigdel@Bibhuti:~$ mkdir -p w7/{w7-1/{1level3,2level3},w7-2/{3level3,
4level3}}
bibhuti_sigdel@Bibhuti:~$ tree w7
w7
├── w7-1
│   ├── 1level3
│   └── 2level3
└── w7-2
    ├── 3level3
    └── 4level3

7 directories, 0 files
bibhuti_sigdel@Bibhuti:~$ cd w7/w7-1/1level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../4level3
-bash: cd: ../4level3: No such file or directory
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../../w7-2/4level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/4level3$ cd ../..
bibhuti_sigdel@Bibhuti:~/w7$ cd w7-1/1level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cat > bibhuti
Hello, This is a text file
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls
bibhuti   bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti ../2level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls ../2level3/
bibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti ../../w7-2/3level3/newb
ibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../../w7-2/3level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/3level3$ ls
newbibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-2/3level3$
```

6. Move this file to **4level3**. Show that there is this file in **4level3** and there is not in
    1level3.

```
bibhuti_sigdel@Bibhuti: ~/w7    X    +    ∨                                    —    ☐    ✕

bibhuti_sigdel@Bibhuti:~$ mkdir -p w7/{w7-1/{1level3,2level3},w7-2/{3level3,
4level3}}
bibhuti_sigdel@Bibhuti:~$ tree w7
w7
├── w7-1
│   ├── 1level3
│   └── 2level3
└── w7-2
    ├── 3level3
    └── 4level3

7 directories, 0 files
bibhuti_sigdel@Bibhuti:~$ cd w7/w7-1/1level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../4level3
-bash: cd: ../4level3: No such file or directory
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../../w7-2/4level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/4level3$ cd ../..
bibhuti_sigdel@Bibhuti:~/w7$ cd w7-1/1level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cat > bibhuti
Hello, This is a text file
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls
bibhuti   bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti ../2level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls ../2level3/
bibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti ../../w7-2/3level3/newb
ibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../../w7-2/3level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/3level3$ ls
newbibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-2/3level3$ cd ../../w7-1/1level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ mv bibhuti ../../w7-2/4level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$
```

7. Print the following texts each in one **echo** or

  printf command:

   a. **Hello! I can do it**

   b. **5 > (20: 8) < (30 * 2)**

   c. **Line 1 Line 2**

d. a-b, A-B, −, +, <, >, #, $, %, &.

```
bibhuti_sigdel@Bibhuti: ~/w7        +   ⌄                        —   □   ✕

bibhuti_sigdel@Bibhuti:~$ tree w7
w7
├── w7-1
│   ├── 1level3
│   └── 2level3
└── w7-2
    ├── 3level3
    └── 4level3

7 directories, 0 files
bibhuti_sigdel@Bibhuti:~$ cd w7/w7-1/1level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../4level3
-bash: cd: ../4level3: No such file or directory
bibhuti_sigdel@Bibhuti:~/w7/w7-1/2level3$ cd ../../w7-2/4level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/4level3$ cd ../..
bibhuti_sigdel@Bibhuti:~/w7$ cd w7-1/1level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cat > bibhuti
Hello, This is a text file
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls
bibhuti  bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti ../2level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls ../2level3/
bibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cp bibhuti ../../w7-2/3level3/newb
ibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../../w7-2/3level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/3level3$ ls
newbibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-2/3level3$ cd ../../w7-1/1level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ mv bibhuti ../../w7-2/4level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls ../../w7-2/4level3/
bibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls
bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ echo -e "Hello! Ican do it\n5>(20:
8)<(30*2)\nLine1\Line2\na-b, A-B, −, +, <, >, #, $, %, &"
Hello! Ican do it
5>(20:8)<(30*2)
Line1\Line2
a-b, A-B, −, +, <, >, #, $, %, &
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$
```

8. Give the **ls** command (without options and with **a**, **d**, **g**, **l**, **R** options) in home directory, **w7**, **w7-1**, and **1level3** directories. Explain for yourself the results received.

```
bibhuti_sigdel@Bibhuti: ~/w7  ×        +   ∨                                    —   □   ×

bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ echo -e "Hello! Ican do it\n5>(20:
8)<(30*2)\nLine1\Line2\na-b, A-B, -, +, <, >, #, $, %, &"
Hello! Ican do it
5>(20:8)<(30*2)
Line1\Line2
a-b, A-B, -, +, <, >, #, $, %, &
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../../
bibhuti_sigdel@Bibhuti:~/w7$ ls
w7-1  w7-2
bibhuti_sigdel@Bibhuti:~/w7$ ls -a
.   ..   w7-1  w7-2
bibhuti_sigdel@Bibhuti:~/w7$ ls -d
.
bibhuti_sigdel@Bibhuti:~/w7$ ls -g
total 8
drwxr-xr-x 4 bibhuti_sigdel 4096 Dec 19 20:08 w7-1
drwxr-xr-x 4 bibhuti_sigdel 4096 Dec 19 20:08 w7-2
bibhuti_sigdel@Bibhuti:~/w7$ ls -l
total 8
drwxr-xr-x 4 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:08 w7-1
drwxr-xr-x 4 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:08 w7-2
bibhuti_sigdel@Bibhuti:~/w7$ ls -R
.:
w7-1  w7-2

./w7-1:
1level3  2level3

./w7-1/1level3:
bibhuti1

./w7-1/2level3:
bibhuti

./w7-2:
3level3  4level3

./w7-2/3level3:
newbibhuti

./w7-2/4level3:
bibhuti
bibhuti_sigdel@Bibhuti:~/w7$
```

```
./w7-1:
1level3   2level3

./w7-1/1level3:
bibhuti1

./w7-1/2level3:
bibhuti

./w7-2:
3level3   4level3

./w7-2/3level3:
newbibhuti

./w7-2/4level3:
bibhuti
bibhuti_sigdel@Bibhuti:~/w7$ cd w7-1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls
1level3   2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -a
.   ..   1level3   2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -d
.
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -g
total 8
drwxr-xr-x 2 bibhuti_sigdel 4096 Dec 19 20:19 1level3
drwxr-xr-x 2 bibhuti_sigdel 4096 Dec 19 20:15 2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l
total 8
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:19 1level3
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:15 2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -R
.:
1level3   2level3

./1level3:
bibhuti1

./2level3:
bibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1$
```

```
./w7-2/3level3:
newbibhuti

./w7-2/4level3:
bibhuti
bibhuti_sigdel@Bibhuti:~/w7$ cd w7-1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls
1level3  2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -a
.  ..  1level3  2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -d
.
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -g
total 8
drwxr-xr-x 2 bibhuti_sigdel 4096 Dec 19 20:19 1level3
drwxr-xr-x 2 bibhuti_sigdel 4096 Dec 19 20:15 2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l
total 8
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:19 1level3
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:15 2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -R
.:
1level3  2level3

./1level3:
bibhuti1

./2level3:
bibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cd 1level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls
bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls -a
.  ..  bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls -d
.
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls -g
total 4
-rw-r--r-- 1 bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls -R
.:
bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$
```

9. Change to the **W7** directory. Remove the directory files **w7-2**, **3level-3**, **4level3** and all ordinary files in them. Use the option **–i** of the **rm** and **rmdir** commands. Show that there are not these ordinary and directory files in your file structure.

```
1level3   2level3

./1level3:
bibhuti1

./2level3:
bibhuti
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cd 1level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls
bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls -a
.   ..    bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls -d
.
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls -g
total 4
-rw-r--r-- 1 bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ ls -R
.:
bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1/1level3$ cd ../../w7-2/3level3
bibhuti_sigdel@Bibhuti:~/w7/w7-2/3level3$ cd ../..
bibhuti_sigdel@Bibhuti:~/w7$ rm -i w7-2/3level3/* w7-2/4level3/*
rm: remove regular file 'w7-2/3level3/newbibhuti'? y
rm: remove regular file 'w7-2/4level3/bibhuti'? y
bibhuti_sigdel@Bibhuti:~/w7$ tree w7
w7  [error opening dir]

0 directories, 0 files
bibhuti_sigdel@Bibhuti:~/w7$ cd ..
bibhuti_sigdel@Bibhuti:~$ tree w7
w7
├── w7-1
│   ├── 1level3
│   │   └── bibhuti1
│   └── 2level3
│       └── bibhuti
└── w7-2
    ├── 3level3
    └── 4level3

7 directories, 2 files
bibhuti_sigdel@Bibhuti:~$
```

10. Change to **w7-1**.

  a. Display access permissions for the file **file1**
     in **1level3**.

b. Remove all access permissions for this file.

c. Display access permissions for this file.

d. Try to read this file using any utility (e.g.,

cat).

e. Try to write into this file using any utility (e.g., **cat** with the sign **>>** – *append*).

f. Add read and write access permissions for yourself for this file.

g. Display access permissions for this file.

h. Try to read this file using any utility.

i. Try to write into this file using any utility.

```
bibhuti_sigdel@Bibhuti: ~/w7  ×     +   ∨                              —   ☐   ✕

└─ w7-2

5 directories, 2 files
bibhuti_sigdel@Bibhuti:~/w7$ cd w7-1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l 1level3
total 4
-rw-r--r-- 1 bibhuti_sigdel bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l 1level3/
total 4
-rw-r--r-- 1 bibhuti_sigdel bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ chmod -rw 1level3/bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l 1level3
total 4
---------- 1 bibhuti_sigdel bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l 1level3/
total 4
---------- 1 bibhuti_sigdel bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat 1level3/bibhuti1
cat: 1level3/bibhuti1: Permission denied
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat>>1level3/bibhuti1
-bash: 1level3/bibhuti1: Permission denied
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ chmod u+rw 1level3/bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l 1level3/
total 4
-rw------- 1 bibhuti_sigdel bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat>>1level3/bibhuti1
This is my second file
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l
total 8
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:19 1level3
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:15 2level3
```

11.

a. Display access permissions for **1level3**.

b. Remove all access permissions for the **1level3** directory.

c. Display access permissions for **1level3**.

d. Try to read a file from **1level3** using any utility.

e. Try to put a file into **1level3** using any utility.

f. Try to search in **1level3** using any command (e.g., the **ls** command).

g. Add read, write, and execute access permissions for yourself for the **1level3** directory.

h. Display access permissions for **1level3**.

i. Try to read a file from **1level3** using any utility.

j. Try to put a file into **1level3** using any utility.

k. Try to search in **1level3** using any command (e.g., the **ls** command).

```
total 4
---------- 1 bibhuti_sigdel bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat 1level3/bibhuti1
cat: 1level3/bibhuti1: Permission denied
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat>>1level3/bibhuti1
-bash: 1level3/bibhuti1: Permission denied
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ chmod u+rw 1level3/bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l 1level3/
total 4
-rw------- 1 bibhuti_sigdel bibhuti_sigdel 27 Dec 19 20:15 bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat>>1level3/bibhuti1
This is my second file
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l
total 8
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:19 1level3
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:15 2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ chmod -rwx 1level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l
total 8
d--------- 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:19 1level3
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:15 2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat 1level3/bibhuti1
cat: 1level3/bibhuti1: Permission denied
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat>>1level3/bibhuti1
-bash: 1level3/bibhuti1: Permission denied
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls 1level3/
ls: cannot open directory '1level3/': Permission denied
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ chmod u+rwx 1level3/
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -[
ls: invalid option -- '['
Try 'ls --help' for more information.
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls -l
total 8
drwx------ 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:19 1level3
drwxr-xr-x 2 bibhuti_sigdel bibhuti_sigdel 4096 Dec 19 20:15 2level3
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat 1level3/bibhuti1
Hello, This is a text file
This is my second file
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ cat>1level3/bibhuti1
This is my third filebibhuti_sigdel@Bibhuti:~/w7/w7-1$
bibhuti_sigdel@Bibhuti:~/w7/w7-1$ ls 1level3/
bibhuti1
bibhuti_sigdel@Bibhuti:~/w7/w7-1$
```