Adventist University of Central Africa

Course Name&Code: COSC 8312

Assignment 1 – Introduction to Linux Basic commands

Released date: 18th September,2025

Due Date: September 23, 2025, 11:59 PM (strict deadline)
Total Marks: 20

Names: HAKIZIMANA Emmanuel

Student ID: 26623

1. If you are in the P3 directory, write the command to go to your home (4 marks)

    1.   Using a relative path:

Command used: cd ../../../../

    2.   Using an absolute path:

Command used: cd /c/Users/sanok

2. Write the command to show a long listing of Here (4 marks)

    1.   Using a relative path if you are in the Command directory:

Command used: ls -l ../P1/Hi/P3/Here

```
sanok@MacBook MINGW64 ~/Practice/Command
$ ls -l ../P1/Hi/P3/Here
total 0
-rw-r--r-- 1 sanok 197610 0 Sep 23 18:07 hereWeAre

sanok@MacBook MINGW64 ~/Practice/Command
$
```

2.   Using an absolute path:

Command used: ls -l /c/Users/sanok/Practice/P1/Hi/P3/Here

```
sanok@MacBook MINGW64 ~/Practice/Command
$ ls -l /c/Users/sanok/Practice/P1/Hi/P3/Here
total 0
-rw-r--r-- 1 sanok 197610 0 Sep 23 18:07 hereWeAre

sanok@MacBook MINGW64 ~/Practice/Command
$
```

3. Write the command to copy the file P3 to the Command directory (4 marks)

1.   Using a relative path if you are in the P2 directory: Command used: cp -r

../Hi/P3 ../../Command/

```
sanok@MacBook MINGW64 ~/Practice/P1/P2
$ cp -r ../Hi/P3 ../../Command/

sanok@MacBook MINGW64 ~/Practice/P1/P2
$ cd ../../

sanok@MacBook MINGW64 ~/Practice
$ cd Command

sanok@MacBook MINGW64 ~/Practice/Command
$ ls
P3/  info

sanok@MacBook MINGW64 ~/Practice/Command
$
```

2.   Using a relative path if you are in the P3 directory: Command used: cp -r .

../../../Command/P3 && ls

```
sanok@MacBook MINGW64 ~/Practice/P1/Hi/P3
$ cp -r . ../../../Command/P3 && ls
Here/

sanok@MacBook MINGW64 ~/Practice/P1/Hi/P3
$ cd ../../../

sanok@MacBook MINGW64 ~/Practice
$ cd Command && ls
P3/  info

sanok@MacBook MINGW64 ~/Practice/Command
$
```

3.   Using a relative path if you are in the Command directory:

Command used: cp -r ../P1/Hi/P3 .

```
sanok@MacBook MINGW64 ~/Practice/Command
$ cp -r ../P1/Hi/P3 .

sanok@MacBook MINGW64 ~/Practice/Command
$ ls
P3/  info

sanok@MacBook MINGW64 ~/Practice/Command
$
```

```
sanok@MacBook MINGW64 ~
$ cp -r /c/Users/sanok/Practice/P1/Hi/P3 /c/Users/sanok/Practice/Command/

sanok@MacBook MINGW64 ~
$ cd /Practice/Command
bash: cd: /Practice/Command: No such file or directory

sanok@MacBook MINGW64 ~
$

sanok@MacBook MINGW64 ~
$ cd Practice

sanok@MacBook MINGW64 ~/Practice
$ cd Command

sanok@MacBook MINGW64 ~/Practice/Command
$ ls
P3/  info
```

4.   Using an absolute path:

Command used: cp -r /c/Users/sanok/Practice/P1/Hi/P3 /c/Users/sanok/Practice/Command/

4. Write the command to copy the files in P3 to the Command directory (4 marks)

1.   Using a relative path if you are in the P2 directory: Command used: cp -r

../Hi/P3 ../../Command/

```
sanok@MacBook MINGW64 ~/Practice/P1/P2
$ cp -r ../Hi/P3 ../../Command/

sanok@MacBook MINGW64 ~/Practice/P1/P2
$ cd ../../

sanok@MacBook MINGW64 ~/Practice
$ cd Command

sanok@MacBook MINGW64 ~/Practice/Command
$ ls
P3/  info

sanok@MacBook MINGW64 ~/Practice/Command
$
```

2.   Using a relative path if you are in the P3 directory:

Command used: cp -r . ../../../Command/P3 && ls

```
sanok@MacBook MINGW64 ~/Practice/P1/Hi/P3
$ cp -r . ../../../Command/P3 && ls
Here/

sanok@MacBook MINGW64 ~/Practice/P1/Hi/P3
$ cd ../../../

sanok@MacBook MINGW64 ~/Practice
$ cd Command && ls
P3/  info

sanok@MacBook MINGW64 ~/Practice/Command
$ |
```

3.   Using a relative path if you are in the Command directory:

Command used: cp -r ../P1/Hi/P3 .

```
sanok@MacBook MINGW64 ~/Practice/Command
$ cp -r ../P1/Hi/P3 .

sanok@MacBook MINGW64 ~/Practice/Command
$ ls
P3/  info

sanok@MacBook MINGW64 ~/Practice/Command
$
```

4.   Using an absolute path:

Command used: cp -r /c/Users/sanok/Practice/P1/Hi/P3 /c/Users/sanok/Practice/Command/

```
sanok@MacBook MINGW64 ~
$ cp -r /c/Users/sanok/Practice/P1/Hi/P3 /c/Users/sanok/Practice/Command/

sanok@MacBook MINGW64 ~
$ cd /Practice/Command
bash: cd: /Practice/Command: No such file or directory

sanok@MacBook MINGW64 ~
$

sanok@MacBook MINGW64 ~
$ cd Practice

sanok@MacBook MINGW64 ~/Practice
$ cd Command

sanok@MacBook MINGW64 ~/Practice/Command
$ ls
P3/  info
```

5.   **What's the difference between these last 2 (Questions 3 and 4)? (2 marks)**

There's no difference between Question 3 and Question 4. As we only have a directory called P3. So there are the same.

6.   **What do you think the yellow color means? The blue? What color should hereWeAre be, and why? (2 marks)**

- **Yellow** usually represents **executable files** in Linux.

- **Blue** usually represents **directories**.

- hereWeAre should be **White / Light Gray** → normal file (non-executable, regular text or data file)