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Couse: Intro\_to\_Linux

### Assignment#1

➔cd /

```
veg@VEGAS: /Introduction  x  MINGW64: c:/Users/veg@/Dow  x  Command Prompt  x  +  v
(veg@VEGAS) - [~]
$ cd /
(veg@VEGAS) - [/]
```

➔sudo git clone https://github.com/eliekayitare/Introduction\_to\_linux.git

```
(veg@VEGAS) - [/]
$ sudo git clone https://github.com/eliekayitare/Introduction_to_linux.git
[sudo] password for vegas:
```

➔sudo git checkout -b 25595\_Ishimwe\_Patrick\_assignment1

```
(veg@VEGAS) - [/]
$ sudo git checkout -b 25595_Ishimwe_Patrick_assignment1
fatal: not a git repository (or any of the parent directories): .git
```

➔cd Introduction\_to\_linux/

```
(veg@VEGAS) - [/]
$ cd Introduction_to_linux/
(veg@VEGAS) - [/Introduction_to_linux]
```

➔git branch -a

```
(veg@VEGAS) - [/Introduction_to_linux]
$ git branch -a
* 25595_Ishimwe_Patrick_assignment1
  main
remotes/origin/HEAD -> origin/main
remotes/origin/main
(veg@VEGAS) - [/Introduction_to_linux]
```

→ `sudo mkdir -p Practice/{Command,Else,P1/{P2,Hi/P3/Here}} && sudo touch Practice/Command/Info Practice/P1/Hi/Hello Practice/P1/Hi/P3/Here/hereWeAre`

```
(vegas@VEGAS)-[/Introduction_to_linux]
$ sudo mkdir -p Practice/{Command,Else,P1/{P2,Hi/P3/Here}} && sudo touch Practice/Command/Info Practice/P1/Hi/Hello Practice/P1/Hi/P3/Here/hereWeAre
(vegas@VEGAS)-[/Introduction_to_linux]
$ |
```

→ `tree Practice/`

```
(vegas@VEGAS)-[/Introduction_to_linux]
$ tree Practice/
Practice/
├── Command
│   └── Info
├── Else
├── P1
│   ├── Hi
│   │   ├── Hello
│   │   └── P3
│   │       └── Here
│   │           └── hereWeAre
│   └── P2
8 directories, 3 files
(vegas@VEGAS)-[/Introduction_to_linux]
$ |
```

→ `cd Practice/P1/Hi/P3`

```
(vegas@VEGAS)-[/Introduction_to_linux]
$ cd Practice/P1/Hi/P3

(vegas@VEGAS)-[/Introduction_to_linux/Practice/P1/Hi/P3]
$ |
```

Q1.

1. `cd ../../../../`

```
(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/Hi/P3$ cd ../../../../  
  
(vegas@VEGAS)~/Introduction_to_linux$ |
```

2. `cd ~` or `cd /home/vegas`

```
(vegas@VEGAS)~/Introduction_to_linux$ cd -  
/Introduction_to_linux/Practice/P1/Hi/P3  
  
(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/Hi/P3$ cd ~  
  
(vegas@VEGAS)~$ cd -  
/Introduction_to_linux/Practice/P1/Hi/P3  
  
(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/Hi/P3$ cd /home/vegas/  
  
(vegas@VEGAS)~$ |
```

Q2

1. `ls -l ../P1/Hi/P3/Here`

```
(vegas@VEGAS)~$ cd Introduction_to_linux/Practice/Command/  
  
(vegas@VEGAS)~/Introduction_to_linux/Practice/Command$ ls -l ../P1/Hi/P3/Here  
total 0  
-rw-r--r-- 1 root root 0 Sep 23 20:16 hereWeAre
```

## 2. ls -l ~/Introduction\_to\_linux/Practice/P1/Hi/P3/Here

```
(vegas@VEGAS)-[/Introduction_to_linux/Practice/Command]
$ ls -l ~/Introduction_to_linux/Practice/P1/Hi/P3/Here
/home/vegas:
total 64
-rwxr-xr-x 1 vegas vegas  50 Aug 13 13:45 addition
drwxr-xr-x 2 vegas vegas 4096 Aug 22 08:43 bash-linux
drwxr-xr-x 2 vegas vegas 4096 Sep 16 10:58 Desktop
drwxr-xr-x 2 vegas vegas 4096 Jan 20 2025 Documents
drwxr-xr-x 2 vegas vegas 4096 Jan 20 2025 Downloads
drwxr-xr-x 2 vegas vegas 4096 Sep 16 13:07 Ishimwe
-rwxr-xr-x 1 vegas vegas  109 Aug 13 05:34 ishimwe.sh
drwxr-xr-x 2 vegas vegas 4096 Jan 20 2025 Music
-rwxr-xr-x 1 vegas vegas  192 Aug 13 05:54 patrick
drwxr-xr-x 2 vegas vegas 4096 Jan 20 2025 Pictures
drwxr-xr-x 2 vegas vegas 4096 Jan 20 2025 Public
drwxr-xr-x 9 vegas vegas 4096 Jun  8 16:01 simtrace2
drwxr-xr-x 2 vegas vegas 4096 Jan 20 2025 Templates
drwxrwxr-t 2 vegas vegas 4096 Jan 20 2025 thinclient_drives
drwxr-xr-x 2 vegas vegas 4096 Jan 20 2025 Videos
-rw-r--r-- 1 root  root  1189 Aug 12 15:30 yersinia.log

/Introduction_to_linux/Practice/P1/Hi/P3/Here:
total 0
-rw-r--r-- 1 root  root  0 Sep 23 20:16 hereWeAre

(vegas@VEGAS)-[/Introduction_to_linux/Practice/Command]
$ |
```

Q3.

1. cp -r ../P3 ../../../../Command/

```
(vegas@VEGAS)-[/Introduction_to_linux/Practice/P1/P2]
$ cp -r ../P3 ../../../../Command/
cp: cannot stat '../P3': No such file or directory

(vegas@VEGAS)-[/Introduction_to_linux/Practice/P1/P2]
$ |
```

## 2. `sudo cp -r ../../../../Command/`

```
(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/Hi/P3$ cp -r ../../../../Command/
cp: missing destination file operand after ' ../../../../Command/'
Try 'cp --help' for more information.

(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/Hi/P3$ sudo cp -r . ../../../../Command/
[sudo] password for vegas:

(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/Hi/P3$
```

## 3. `sudo cp -r ../P1/Hi/P3 ./`

```
(vegas@VEGAS)~/Introduction_to_linux/Practice/Command$ sudo cp -r ../P1/Hi/P3 ./

(vegas@VEGAS)~/Introduction_to_linux/Practice/Command$
```

## 4. `sudo cp -r /Introduction_to_linux/Practice/P1/Hi/P3 ./`

```
(vegas@VEGAS)~/Introduction_to_linux/Practice/Command$ sudo cp -r ~/Introduction_to_linux/Practice/P1/Hi/P3 ./
cp: cannot stat '/home/vegas/Introduction_to_linux/Practice/P1/Hi/P3': No such file or directory

(vegas@VEGAS)~/Introduction_to_linux/Practice/Command$ sudo cp -r /Introduction_to_linux/Practice/P1/Hi/P3 ./

(vegas@VEGAS)~/Introduction_to_linux/Practice/Command$
```

Q4.

## 1. `sudo cp ../P3/* ../../../../Command/`

```
(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/P2$ sudo cp ../P3/* ../../../../Command/
[sudo] password for vegas:
cp: cannot stat '../P3/*': No such file or directory

(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/P2$
```

2. `sudo cp -r * ../../../../Command/`

```
(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/Hi/P3
$ sudo cp -r * ../../../../Command/

(vegas@VEGAS)~/Introduction_to_linux/Practice/P1/Hi/P3
$ |
```

3. `sudo cp -r ../P1/Hi/P3/* ./`

```
(vegas@VEGAS)~/Introduction_to_linux/Practice/Command
$ sudo cp -r ../P1/Hi/P3/* ./

(vegas@VEGAS)~/Introduction_to_linux/Practice/Command
$ |
```

4. `sudo cp -r /Practice/P1/Hi/P3/* /Practice/Command/`

```
(vegas@VEGAS)~/Introduction_to_linux/Practice/Command
$ sudo cp -r /Practice/P1/Hi/P3/* /Practice/Command/
cp: cannot stat '/Practice/P1/Hi/P3/*': No such file or directory

(vegas@VEGAS)~/Introduction_to_linux/Practice/Command
$ |
```

Q5. What's the difference between these last 2 (Questions 3 and 4)?

\*Question 3 copies the entire P3 folder (including its contents like Here) into the Command directory, creating a new subdirectory Command/P3.

\*Question 4 copies only the files inside P3 (e.g., contents of Here) directly into the Command directory, without creating a P3 subdirectory.

Q6. What do you think the yellow color means? The blue? What color should hereWeAre be, and why?

-Yellow color: The yellow color likely indicates a FIFO (named pipe) or file.

**-Blue color: The blue color indicates a directory.**

**-Color for hereWeAre: hereWeAre should be white, because it is a regular file (a leaf node with no subdirectories, typically a text or data file). Standard ls colors show regular files as white unless they are executable (green) or have special permissions.**