

## Assignment 1 Report – Shyaka Bosco Domin (27406)

### Student Details

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  - Course: Introduction to Linux
  - Branch: 27406\_Shyaka\_Bosco\_Domin\_Assignment1
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### Task 1 – Clone Repository

Command:

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

```
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux$ cd
think_big@DESKTOP-FP8DJ2K:~$ sudo git clone https://github.com/https://github.com/eliekayitare/Introduction_to_linux
fatal: destination path 'Introduction_to_linux' already exists and is not an empty directory.
think_big@DESKTOP-FP8DJ2K:~$ |
```

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### Task 2 – Create Branch

git checkout -b 27406\_Shyaka\_Bosco\_Domin\_Assignment1

```
git checkout -b 27406_Shyaka_Bosco_Domin_assignment1
Switched to a new branch '27406_Shyaka_Bosco_Domin_assignment1'
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux$ cd ~/Introduction_to_linux
```

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### Task 3 – Recreate Practice Directory Tree

mkdir -p 27406\_Shyaka\_Bosco\_Domin/Practice/Command

mkdir -p 27406\_Shyaka\_Bosco\_Domin/Practice/Hi

mkdir -p 27406\_Shyaka\_Bosco\_Domin/Practice/P1/P2/P3/Here

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### Task 4 – Create Scripts and Files

echo -e '#!/bin/bash\nnecho "This is the info file"' >

27406\_Shyaka\_Bosco\_Domin/Practice/Command/info

echo -e '#!/bin/bash\nnecho "Hello"' > 27406\_Shyaka\_Bosco\_Domin/Practice/Hi/Hello

echo "I am here" > 27406\_Shyaka\_Bosco\_Domin/Practice/P1/P2/P3/Here/hereWeAre

```
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux$ cd ~/Introduction_to_linux/27406_Shyaka_Bosco_Domin
tree Practice
Practice
├── Command
│   ├── P3
│   │   └── Here
│   │       └── hereWeAre
│   └── info
├── Hi
│   └── Hello
└── P1
    ├── Command
    │   ├── Here
    │   │   └── hereWeAre
    │   ├── P3
    │   │   └── Here
    │   │       └── hereWeAre
    └── P2
        └── P3
            └── Here
                └── hereWeAre

13 directories, 6 files
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux/27406_Shyaka_Bosco_Domin$
```

chmod +x 27406\_Shyaka\_Bosco\_Domin/Practice/Command/info

chmod +x 27406\_Shyaka\_Bosco\_Domin/Practice/Hi/Hello

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## Task 5 – Assignment Answers

Q1. From P3 go to home

- Relative: cd ../../../../
- Absolute: cd /home/shyaka

```
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux$ cd ~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/P1/P2/P3
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/P1/P2/P3$ cd ../../../../
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux$ cd /home/think_big
think_big@DESKTOP-FP8DJ2K:~$
```

Q2. Long listing of Here

- Relative: ls -l ../P1/P2/P3/Here
- Absolute: ls -l /home/shyaka/27406\_Shyaka\_Bosco\_Domin/Practice/P1/P2/P3/Here

```
think_big@DESKTOP-FP8DJ2K:~$ cd ~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/Command
ls -l ../P1/P2/P3/Here
total 4
-rw-r--r-- 1 think_big think_big 10 Sep 25 00:40 hereWeAre
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/Command$ ls -l /home/think_big/Intro
duction_to_linux/27406_Shyaka_Bosco_Domin/Practice/P1/P2/P3/Here
total 4
-rw-r--r-- 1 think_big think_big 10 Sep 25 00:40 hereWeAre
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/Command$
```

Q3. Copy P3 into Command

- From P2: cp -r P3 ../Command
- From P3: cp -r ../Command
- From Command: cp -r ../P1/P2/P3 .

- Absolute: `cp -r /home/shyaka/27406_Shyaka_Bosco_Domin/Practice/P1/P2/P3 /home/shyaka/27406_Shyaka_Bosco_Domin/Practice/Command`

```
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/Command$ cd ~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/P1/P2
cp -r P3 ../Command
```

#### Q4. Copy files in P3 into Command

- From P2: `cp P3/* ../Command`
- From P3: `cp * ../Command`
- From Command: `cp ../P1/P2/P3/* .`
- Absolute: `cp /home/shyaka/27406_Shyaka_Bosco_Domin/Practice/P1/P2/P3/* /home/shyaka/27406_Shyaka_Bosco_Domin/Practice/Command`

```
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/P1/P2$ cp -r ../P1/P2/P3 .
cp: cannot stat '../P1/P2/P3': No such file or directory
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/P1/P2$ cd
think_big@DESKTOP-FP8DJ2K:~$ cd ../../..
think_big@DESKTOP-FP8DJ2K:/$ cd
think_big@DESKTOP-FP8DJ2K:~$ cd Introduction_to_linux
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux$ cp -r ../Command
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux$ cp -r ../P1/P2/P3 .
cp: cannot stat '../P1/P2/P3': No such file or directory
think_big@DESKTOP-FP8DJ2K:~/Introduction_to_linux$ cp -r ~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/P1/P2/P3 \
~/Introduction_to_linux/27406_Shyaka_Bosco_Domin/Practice/Command
```

#### Q5. Difference between Q3 and Q4

- Q3 copies the whole P3 directory.
- Q4 copies only the files inside P3.

#### Q6. Colors

- Blue = Directories
- Yellow/Green = Executables
- White = Normal text file → hereWeAre should be white.

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### Conclusion

This assignment demonstrated:

- Git usage for branching and pushing
- Linux command-line navigation and file management
- Difference between copying directories vs files
- File permissions and color meanings in Linux
- Importance of documentation via README and screenshots