

**Technological Institute of the Philippines  
Manila  
Systems Administration and Maintenance**

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**Instructions:**

1. Install your Virtual Machine
2. Download your image of Ubuntu Server (no GUI)
3. For each task, write your Linux command on the rectangle/table provided. Use the “Courier New” font to distinguish the command from the rest of the text.
4. Filename when uploading should be: “**LinuxDay1\_Lastname\_Firstname.pdf**”

**Tasks:**

1. Create “assignment” directory

```
mkdir assignment
```

```
fritzlan@fritzlan-VirtualBox:~/Desktop$ mkdir assignment
fritzlan@fritzlan-VirtualBox:~/Desktop$ ls
assignment
fritzlan@fritzlan-VirtualBox:~/Desktop$
```

2. Create the following directories inside your “assignment” directory
  - a. prelim
  - b. midterm
  - c. finals

```
mkdir prelim midterm finals
```

```
fritzlan@fritzlan-VirtualBox:~/Desktop$ mkdir prelim midterm finals
fritzlan@fritzlan-VirtualBox:~/Desktop$ ls
assignment  prelim  midterm  finals
fritzlan@fritzlan-VirtualBox:~/Desktop$
```

3. Create the following directories inside your “prelim” directory
  - a. day1
  - b. day2
  - c. day3

```
mkdir day1 day2 day3
```

```
fritzlan@fritzlan-VirtualBox:~/Desktop$ cd prelim
fritzlan@fritzlan-VirtualBox:~/Desktop/prelim$ mkdir day1 day2 day3
fritzlan@fritzlan-VirtualBox:~/Desktop/prelim$ ls
day1 day2 day3
fritzlan@fritzlan-VirtualBox:~/Desktop/prelim$
```

4. Create the following files inside your “/prelim/day1” directory
  - a. exer1.docx
  - b. exer1.pdf

```
touch exer1.docx exer1.pdf

fritzlan@fritzlan-VirtualBox:~/Desktop/prelim$ cd day1
fritzlan@fritzlan-VirtualBox:~/Desktop/prelim/day1$ touch exer1.docx exer1.pdf
fritzlan@fritzlan-VirtualBox:~/Desktop/prelim/day1$ ls
exer1.docx  exer1.pdf
fritzlan@fritzlan-VirtualBox:~/Desktop/prelim/day1$
```

5. Create the following directories inside your “/midterm” directory
  - a. executablefiles
  - b. projectdocument

```
mkdir executablefiles projectdocument

fritzlan@fritzlan-VirtualBox:~/Desktop/prelim/day1$ cd ..
fritzlan@fritzlan-VirtualBox:~/Desktop/prelim$ cd ..
fritzlan@fritzlan-VirtualBox:~/Desktop$ cd midterm
fritzlan@fritzlan-VirtualBox:~/Desktop/midterm$ mkdir executable files projectd
ocument
fritzlan@fritzlan-VirtualBox:~/Desktop/midterm$ ls
executable  files  projectdocument
fritzlan@fritzlan-VirtualBox:~/Desktop/midterm$
```

6. Create the following files inside your “/midterm/projectdocument” directory
  - a. finaldocument.docx
  - b. preliminarydocument.docx

```
touch finaldocument.docx preliminarydocument.docx
```

```
fritzlan@fritzlan-VirtualBox:~/Desktop/midterm$ ls
executable  files  projectdocument
fritzlan@fritzlan-VirtualBox:~/Desktop/midterm$ cd projectdocument
fritzlan@fritzlan-VirtualBox:~/Desktop/midterm/projectdocument$ touch finaldocu
ment.docx preliminarydocument.docx
fritzlan@fritzlan-VirtualBox:~/Desktop/midterm/projectdocument$ ls
finaldocument.docx  preliminarydocument.docx
fritzlan@fritzlan-VirtualBox:~/Desktop/midterm/projectdocument$
```

7. Create “config.INI” file in your “/finals” directory

```
touch config.INI
```

```
fritzlan@fritzlan-VirtualBox:~/Desktop/finals$ touch config.INI
fritzlan@fritzlan-VirtualBox:~/Desktop/finals$ ls
config.INI
fritzlan@fritzlan-VirtualBox:~/Desktop/finals$
```

8. Open your “config.INI” and have the following text inside

```
username=test
password=test
server=localhost
port=3306
dbname=sampledb
```

Answer:

```
fritzlan@fritzlan-VirtualBox:~/Desktop/finals$ nano config.INI
fritzlan@fritzlan-VirtualBox:~/Desktop/finals$
```

```
GNU nano 6.2
username=test
password=test
server=localhost
port=3306
dbname=sampledb
```

9. Install the tree view by issuing the following commands

```
sudo apt install tree
```

Answer:

```
fritzlan@fritzlan-VirtualBox:~/Desktop/finals$ sudo apt install tree
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
tree is already the newest version (2.0.2-1).
0 upgraded, 0 newly installed, 0 to remove and 46 not upgraded.
fritzlan@fritzlan-VirtualBox:~/Desktop/finals$
```

10. Issue the “tree” command and you should see an output like my output.

```
assignment
├── finals
│   └── config.INI
├── midterm
│   ├── executablefiles
│   ├── projectdocument
│   │   ├── finaldocument.docx
│   │   └── preliminarydocument.docx
└── prelim
    ├── day1
    │   ├── exer1.docx
    │   └── exer1.pdf
    ├── day2
    └── day3
```


Paste your screenshot/copy of your tree. In your screenshot make sure to put a watermark or any indication that it is your desktop.

Answer:

```
fritzlan@fritzlan-VirtualBox:~$ cd Desktop
fritzlan@fritzlan-VirtualBox:~/Desktop$ sudo tree

.
├── assignment
├── finals
│   └── config.INI
├── midterm
│   ├── executable
│   ├── files
│   └── projectdocument
│       ├── finaldocument.docx
│       └── preliminarydocument.docx
└── prelim
    ├── day1
    │   ├── exer1.docx
    │   └── exer1.pdf
    ├── day2
    └── day3
```

10 directories, 5 files  
fritzlan@fritzlan-VirtualBox:~/Desktop\$



Honor Pledge:

“I affirm that I have not given or received any unauthorized help on this assignment and that this work is my own.”

