# Technological Institute of the Philippines Manila

### **Systems Administration and Maintenance**

#### **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

```
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 finals midterm prelim
 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

```
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

```
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

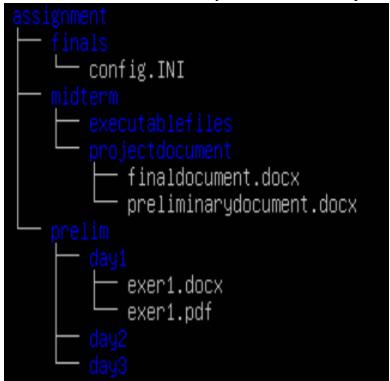
dbname=sampledb

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.



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:

## Honor Pledge:

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