## เข้าสู่rootแล้วสร้างuser ใหม่ขึ้นมา กำหนดรหัสและใส่ข้อมูลลงไป

```
devuser@ubuntusever:~$ sudo −i
[sudo] password for devuser:
root@ubuntusever:~# adduser ton
Adding user `ton' ...
Adding new group `ton' (1001) ...
Adding new user `ton' (1001) with group `ton' ...
Creating home directory `/home/ton' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for ton
Enter the new value, or press ENTER for the default
         Full Name []:
         Room Number []:
         Work Phone []:
         Home Phone []:
         Other []:
Is the information correct? [Y/n] y
root@ubuntusever:~#
```

#### ตั้ง userใหม่ให้เป็น root โดยใช้ usermod

```
root@ubuntusever:~# usermod –aG sudo ton
```

#### Allow ssh แล้ว enable SSH จากนั้นใช้คำสั่งเช็ค Status SSH

```
devuser@server:~$ sudo ufw app list
[sudo] password for devuser:
Available applications:
 OpenSSH
devuser@server:~$ sudo ufw allow OpenSSh
Rules updated
Rules updated (v6)
devuser@server:~$ sudo ufw enable
Command may disrupt existing ssh connections. Proceed with operation (y|n)? y
Firewall is active and enabled on system startup
devuser@server:~$ ufw status
ERROR: You need to be root to run this script
devuser@server:~$ sudo ufw status
Status: active
                           Action
                                       From
OpenSSH
                           ALLOW
                                       Anywhere
OpenSSH (v6)
                           ALLOW
                                       Anywhere (v6)
```

## อัพเดทตัว ubuntu โดยใช้คำสั่ง sudo apt update และ sudo apt upgrade

```
devuser@server:~$ sudo apt update
Hit:1 http://ports.ubuntu.com/ubuntu-ports jammy InRelease
Get:2 http://ports.ubuntu.com/ubuntu-ports jammy-updates InRelease [119 kB]
Hit:3 http://ports.ubuntu.com/ubuntu-ports jammy-backports InRelease
Get:4 http://ports.ubuntu.com/ubuntu-ports jammy-security InRelease [110 kB]
Get:5 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 Packages [1,052 kB]
Get:6 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main Translation-en [252 kB]
Get:7 http://ports.ubuntu.com/ubuntu-ports jammy-updates/restricted arm64 Packages [777 kB]
Get:8 http://ports.ubuntu.com/ubuntu-ports jammy-updates/restricted Translation-en [190 kB]
Get:9 http://ports.ubuntu.com/ubuntu-ports jammy-updates/universe arm64 Packages [927 kB]
Get:10 http://ports.ubuntu.com/ubuntu-ports jammy-updates/universe Translation-en [222 kB]
Get:11 http://ports.ubuntu.com/ubuntu-ports jammy-security/main arm64 Packages [847 kB]
Get:12 http://ports.ubuntu.com/ubuntu-ports jammy-security/main Translation-en [192 kB]
Get:13 http://ports.ubuntu.com/ubuntu-ports jammy-security/restricted arm64 Packages [771 kB]
Get:14 http://ports.ubuntu.com/ubuntu-ports jammy-security/restricted Translation-en [187 kB]
Get:15 http://ports.ubuntu.com/ubuntu-ports jammy-security/universe arm64 Packages [724 kB]
Get:16 http://ports.ubuntu.com/ubuntu-ports jammy-security/universe Translation-en [148 kB]
Fetched 6,519 kB in 6s (1,121 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
50 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
devuser@server:-$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Reading state information... Done
Calculating upgrade... Done
The following NEW packages will be installed:
    ubuntu-pro-client-llon
The following packages have been kept back:
    cloud-init firmware-sof-signed
The following packages will be upgraded:
    apparmor apt apt-utils bind9-dnsutils bind9-host bind9-libs distro-info-data git git-man
    initramfs-tools initramfs-tools-bin initramfs-tools-core irqbalance kpartx libapparmor1
    libapt-pkg6.0 libldap-2.5-0 libldap-common libnetplan0 libnghttp2-14 libnss-systemd
    libpam-systemd libperl5.34 libpython3.10 libpython3.10-minimal libpython3.10-stdlib
    libsgutils2-2 libsystemd0 libudev1 linux-firmware multipath-tools netplan.io perl perl-base
    perl-modules-5.34 python3-software-properties python3.10 python3.10-minimal sg3-utils
    sg3-utils-udev software-properties-common sosreport systemd systemd-sysv systemd-timesyncd
    ubuntu-advantage-tools ubuntu-drivers-common udev
48 upgraded, 1 newly installed, 0 to remove and 2 not upgraded.
10 standard LTS security updates
Need to get 294 MB of archives.
After this operation, 1,272 kB disk space will be freed.
Do you want to continue? [Y/n] y
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 perl-arm64 5.34.0-3ubuntu1.3 [4,723 kB]
Get:2 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 perl-arm64 5.34.0-3ubuntu1.3 [1,709 kB]
Get:3 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 perl-modules-5.34 all 5.34.0-3ubuntu1.3 [2,976 kB]
```

## ติดตั้ง Apache2

```
devuser@server:-$ sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3
libaprutil1-dap liblua5.3-0 mailcap mime-support ssl-cert
Suggested packages:
apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser bzip2-doc
The following NEW packages will be installed:
apache2 apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1
libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
0 upgraded, 13 newly installed, 0 to remove and 2 not upgraded.
Need to get 2,085 kB of archives.
After this operation, 7,827 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 libaprutil1 arm64 1.6.1-5ubuntu4.22.04.1 [106 kB]
Get:2 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 libaprutil1-dbd-sqlite3 arm64 1.6.1-5ubuntu4.22.04.2 [93.6 kB]
Get:3 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 libaprutil1-ldap arm64 1.6.1-5ubuntu4.22.04.2 [9.04.8 B]
Get:4 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 libaprutil1-ldap arm64 1.6.1-5ubuntu4.22.04.2 [9.04.8 B]
Get:5 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 libaprutil1-ldap arm64 1.6.1-5ubuntu4.22.04.2 [9.04.8 B]
Get:6 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 apache2-bin arm64 2.4.52-lubuntu4.7 [1,300 kB]
Get:7 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 apache2-bin arm64 2.4.52-lubuntu4.7 [87.5 kB]
Get:8 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 apache2-bin arm64 2.4.52-lubuntu4.7 [87.5 kB]
Get:10 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 apache2-date S-build1 [34.6 kB]
Get:10 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 apache2-date S-build1 [34.6 kB]
Get:11 http://ports.ubuntu.com/u
```

## ตรวจสอบการติดตั้งและ allow apache

```
devuser@server:~$ sudo ufw app list
Available applications:
 Apache
 Apache Full
  Apache Secure
 OpenSSH
devuser@server:~$ sudo ufw allow in "Apache"
Rule added
Rule added (v6)
devuser@server:~$ sudo ufw status
Status: active
То
                            Action
                                        From
OpenSSH
                            ALLOW
                                        Anywhere
Apache
                            ALLOW
                                        Anywhere
OpenSSH (v6)
                                        Anywhere (v6)
                            ALLOW
Apache (v6)
                                        Anywhere (v6)
                            ALLOW
```

## ติดตั้ง MySQL

#### ติดตั้ง mysql secure

```
devuser@server:~$ sudo mysql_secure_installation
[sudo] password for devuser:
Securing the MySQL server deployment.
Enter password for user root:
The 'validate_password' component is installed on the server.
The subsequent steps will run with the existing configuration
Using existing password for root.
Estimated strength of the password: 100
Change the password for root ? ((Press y|Y for Yes, any other key for No):
... skipping.
By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL without having to have
testing, and to make the installation go a bit smoother.
You should remove them before moving into a production
Remove anonymous users? (Press y|Y for Yes, any other key for No) : y
Normally, root should only be allowed to connect from
'localhost'. This ensures that someone cannot guess at
the root password from the network.
Disallow root login remotely? (Press y|Y for Yes, any other key for No) : y
By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
```

#### exit แล้วเข้า Mysql อีกรอบโดยการ พิมพ์ sudo mysql -u root -p

```
root@server:~# sudo mysql -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
root@server:~# sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
    libapache2-mod-php8.1 php-common php8.1 php8.1-cli php8.1-common php8.1-mysql php8.1-opcache
    php8.1-readline
Suggested packages:
    php-pear
The following NEW packages will be installed:
    libapache2-mod-php libapache2-mod-php8.1 php php-common php-mysql php8.1 php8.1-cli
    php8.1-common php8.1-mysql php8.1-opcache php8.1-readline
0 upgraded, 11 newly installed, 0 to remove and 2 not upgraded.
Need to get 5,338 kB of archives.
After this operation, 22.4 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

## ติดตั้ง PHP

```
devuser@ubuntusever:~$ sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
 libapache2-mod-php8.1 php-common php8.1 php8.1-cli php8.1-common
 php8.1-mysql php8.1-opcache php8.1-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php8.1 php php-common php-mysql
 php8.1 php8.1-cli php8.1-common php8.1-mysql php8.1-opcache
 php8.1-readline
0 upgraded, 11 newly installed, 0 to remove and 0 not upgraded.
Need to get 5,265 kB of archives.
After this operation, 21.8 MB of additional disk space will be used.
Get:1 http://th.archive.ubuntu.com/ubuntu jammy/main amd64 php-common all 2:92ub
untu1 [12.4 kB]
Get:2 http://th.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-common
amd64 8.1.2-1ubuntu2.14 [1,127 kB]
Get:3 http://th.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-opcach
e amd64 8.1.2-1ubuntu2.14 [365 kB]
```

#### ตรวจ Version php

```
devuser@ubuntusever:~$ php -v

PHP 8.1.2-1ubuntu2.14 (cli) (built: Aug 18 2023 11:41:11) (NTS)

Copyright (c) The PHP Group

Zend Engine v4.1.2, Copyright (c) Zend Technologies

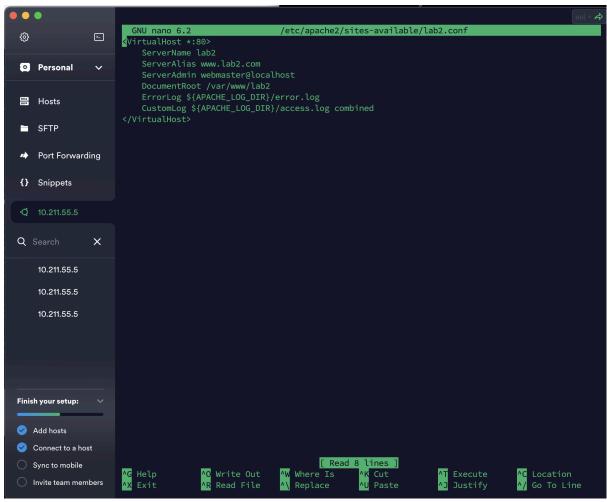
with Zend OPcache v8.1.2-1ubuntu2.14, Copyright (c), by Zend Technologies
```

#### สร้าไฟล์พร้อมเปลี่ยน Owner ของ ไดเร็กทอรี่ ให้เป็นของ User

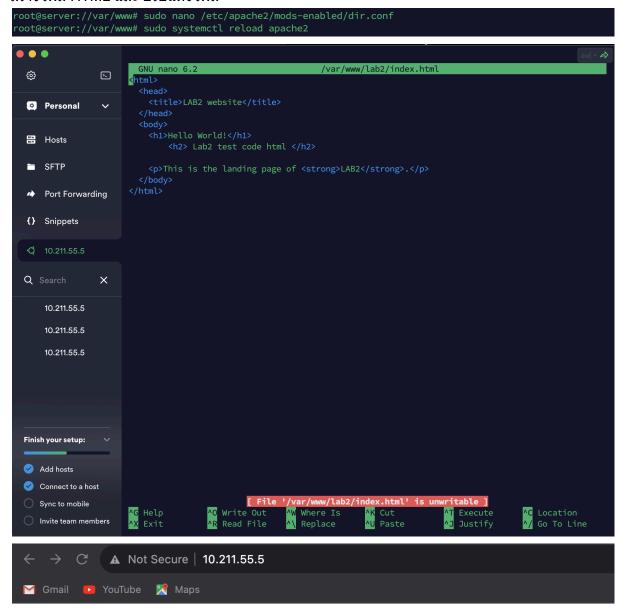
devuser@ubuntusever:~\$ sudo mkdir /var/www/lab2
devuser@ubuntusever:~\$ sudo chow -R &USER:&USER /var/www/lab2

## Config ไดเร็กทอรี่ lab2 พร้องทั้ง เปิด ปิด Domain ทดสอบ config

```
root@server://var/www# sudo nano /etc/apache2/sites-available/000-default.conf
root@server://var/www# sudo a2dissite 000-default
Site 000-default disabled.
To activate the new configuration, you need to run:
   systemctl reload apache2
root@server://var/www# sudo apache2ctl configtest
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1.
e globally to suppress this message
Syntax OK
root@server://var/www# sudo systemctl reload apache2
```



#### สร้างไฟล์ HTML และ ปรับแต่งไฟล์

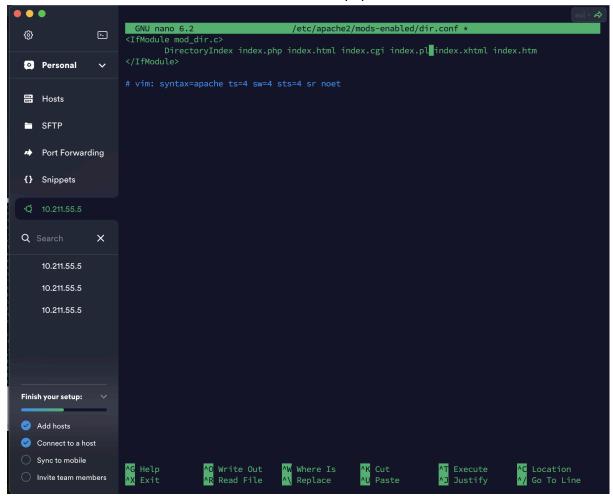


## Hello World!

## Lab2 test code html

This is the landing page of LAB2.

#### แก้ไขไฟล์ dir.conf กำหนดลำดับการอ่านไฟล์ให้อ่านไฟล์ php ก่อน



## เข้าสู่ Mysql โดยคำสั่ง sudo mysql -u root -p แล้ว กรอกรหัสผ่าน

```
devuser@ubuntusever:/var/www/lab2$ sudo mysql -u root -p
Enter password: ver:/var/www/lab2$ sudo nano /var/www/your_domain/index.html
Welcome to the MySQL monitor. Commands end with ; or \g._domain/index.html
Your MySQL connection id is 10
Server version: 8.0.35-Oubuntu0.22.04.1 (Ubuntu)

Copyright (c) 2000, 2023, Oracle and/or its affiliates.

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

## สร้าง Database สร้าง userใหม่ใน Database กำหนดให้ user ใหม่สามารถทำทุกอย่างใน database นี้

```
mysql> CREATE DATABASE example_database;
Query OK, 1 row affected (0.01 sec)

mysql> CREATE USER 'example_user'@'%' IDENTIFIED BY 'P@ssw@rd@2023';
Query OK, 0 rows affected (0.03 sec)

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'P @ssw@rd@2023';
Query OK, 0 rows affected (0.01 sec)

mysql> GRANT ALL ON example_database.* TO 'example_user'@'%';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)
```

## เช็ค Databse สร้างตาราง Database ใส่ค่าลงไปใน Database

## Nano เพื่อสร้างไฟล์ todo\_list.php

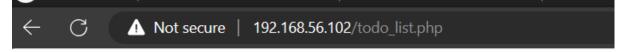
```
devuser@ubuntusever:/var/www/lab2$ sudo nano /etc/apache2/mods-enabled/dir.conf
devuser@ubuntusever:/var/www/lab2$ sudo systemctl reload apache2
```

```
</php

$user = "example_user";
$password = "password";
$database = "example_database";
$table = "todo_list";

try {
    $db = new PDO("mysql:host=localhost;dbname=$database", $user, $password);
    echo "<h2>TODO</h2>";
    foreach($db->query("SELECT content FROM $table") as $row) {
        echo "" . $row['content'] . "";
    }
    echo "";
} catch (PDOException $e) {
    print "Error!: " . $e->getMessage() . "<br/>";
    die();
}
```

ผลลัพธ์



## TODO

- 1. My first important item
- 2. My second important item
- 3. My third important item

สร้างไฟล์ Lab2-1 xxx และ Lab2-2 xxx และตรวจเช็ค

```
devuser@ubuntusever:~$ sudo mkdir -p /var/www/lab2-1_008/public_html
[sudo] password for devuser:
devuser@ubuntusever:~$ sudo mkdir -p /var/www/lab2-2_008/public_html
devuser@ubuntusever:~$ ls /var/www
html lab2 lab2-1_008 lab2-2_008
devuser@ubuntusever:~$
```

เปลี่ยน Owner ของ Domainที่สร้างให้เป็น user

```
devuser@ubuntusever:~$ sudo mkdir -p /var/www/lab2-1_008/public_html
[sudo] password for devuser:
devuser@ubuntusever:~$ sudo mkdir -p /var/www/lab2-2_008/public_html
devuser@ubuntusever:~$ ls /var/www
html lab2 lab2-1_008 lab2-2_008
devuser@ubuntusever:~$ sudo chown -R $USER:$USER /var/www/lab2-1_008/public_
html
devuser@ubuntusever:~$ sudo chown -R $USER:$USER /var/www/lab2-2_008/public_
html
devuser@ubuntusever:~$ sudo chown -R $USER:$USER /var/www/lab2-2_008/public_
html
devuser@ubuntusever:~$ sudo chown -R $USER:$USER /var/www/lab2-2_008/public_
```

## สร้างไฟล์ Nano ชื่อ index.html แล้วก๊อปปี้ไป Lab2-2

```
devuser@ubuntusever:~$ nano /var/www/lab2-1_008/public_html/index.html
devuser@ubuntusever:~$ cp /var/www/lab2-1_008/public_html/index.html /var/ww
w/lab2-2_008/public_html/index.html
```

#### Nano index.html ในไฟล์ lab2-2

#### เข้าไปที่ lab2-1 แล้วเข้าไปแก้ไข lab2-1.conf

```
devuser@ubuntusever:~$ sudo cp /etc/apache2/sites-available/000-default.conf
/etc/apache2/sites-available/lab2-1_008.conf
devuser@ubuntusever:~$ sudo nano /etc/apache2/sites-available/lab2-1_008.con
f
```

```
GNU nano 6.2 /etc/apache2/sites-available/lab2-1_008.conf *
<VirtualHost *:80>
       # The ServerName directive sets the request scheme, hostname and po
        # the server uses to identify itself. This is used when creating
        # specifies what hostname must appear in the request's Host: header>
        # match this virtual host. For the default virtual host (this file)
        # value is not decisive as it is used as a last resort host regardl>
        # However, you must set it for any further virtual host explicitly.
        #ServerName www.example.com
        ServerAdmin admin@lab2-1_008
        ServerName lab2-1_008
        ServerAlias www.lab2-1_008
        DocumentRoot /var/www/lab2-1_008/public_html
        # Available loglevels: trace8, ..., trace1, debug, info, notice, wa>
        # error, crit, alert, emerg.
        # It is also possible to configure the loglevel for particular
        # modules, e.g.
       #LogLevel info ssl:warn
       ErrorLog ${APACHE_LOG_DIR}/error.log
       CustomLog ${APACHE_LOG_DIR}/access.log combined
       # For most configuration files from conf-available/, which are
        # enabled or disabled at a global level, it is possible to
        # include a line for only one particular virtual host. For example >
        # following line enables the CGI configuration for this host only
        # after it has been globally disabled with "a2disconf".
        #Include conf-available/serve-cgi-bin.conf
</VirtualHost>
```

#### ก๊อปปี้ ไฟล์จาก config lab2-1 ไป lab2-2 แล้วแก้ไขเป็น

```
devuser@ubuntusever:~$ sudo cp /etc/apache2/sites-available/lab2-1_008.conf
/etc/apache2/sites-available/lab2-2_008.conf
[sudo] password for devuser:
devuser@ubuntusever:~$ sudo nano /etc/apache2/sites-available/lab2-2_008.con
f
```

```
GNU nano 6.2
                  /etc/apache2/sites-available/lab2-2_008.conf *
<VirtualHost *:80>
        # The ServerName directive sets the request scheme, hostname and po
        # the server uses to identify itself. This is used when creating
        # redirection URLs. In the context of virtual hosts, the ServerName
        # specifies what hostname must appear in the request's Host: header
        # value is not decisive as it is used as a last resort host regardl>
        # However, you must set it for any further virtual host explicitly.
        #ServerName www.example.com
        ServerAdmin admin@lab2-2_008
        ServerName lab2-2_008
         ServerAlias www.lab2-2 008
        DocumentRoot /var/www/lab2-2_008/public_html
        # Available loglevels: trace8, ..., trace1, debug, info, notice, wa>
        # error, crit, alert, emerg.
        # It is also possible to configure the loglevel for particular
        #LogLevel info ssl:warn
        ErrorLog ${APACHE_LOG_DIR}/error.log
        CustomLog ${APACHE_LOG_DIR}/access.log combined
        # For most configuration files from conf-available/, which are
        # enabled or disabled at a global level, it is possible to
        # include a line for only one particular virtual host. For example
        # following line enables the CGI configuration for this host only
        # after it has been globally disabled with "a2disconf".
        #Include conf-available/serve-cgi-bin.conf
</VirtualHost>
```

#### เปิดใช้งาน Visaulhost files

```
devuser@ubuntusever:~$ sudo a2ensite lab2-1_008.conf
Enabling site lab2-1_008.
To activate the new configuration, you need to run:
   systemctl reload apache2
devuser@ubuntusever:~$ sudo a2ensite lab2-2_008.conf
Enabling site lab2-2_008.
To activate the new configuration, you need to run:
   systemctl reload apache2
devuser@ubuntusever:~$
```

ตรวจสอบ testconfig

```
devuser@ubuntusever:~$ sudo a2dissite 000-default.conf
Site 000-default already disabled
devuser@ubuntusever:~$ sudo apache2ctl configtest
AH00558: apache2: Could not reliably determine the server's fully qualified
domain name, using 127.0.1.1. Set the 'ServerName' directive globally to sup
press this message
Syntax OK
```

#### Restart apache และเช็ค status

```
devuser@ubuntusever:~$ sudo systemctl restart apache2
devuser@ubuntusever:~$ sudo systemctl status apache2
• apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor p
    Active: active (running) since Wed 2023-12-06 12:55:53 UTC; 10s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 1854 ExecStart=/usr/sbin/apachectl start (code=exited, status=>
  Main PID: 1859 (apache2)
      Tasks: 6 (limit: 4558)
     Memory: 10.2M
       CPU: 40ms
     CGroup: /system.slice/apache2.service
              -1859 /usr/sbin/apache2 -k start
             —1860 /usr/sbin/apache2 -k start
             -1861 /usr/sbin/apache2 -k start
             -1862 /usr/sbin/apache2 -k start
             -1863 /usr/sbin/apache2 -k start
             └─1864 /usr/sbin/apache2 -k start
Dec 06 12:55:53 ubuntusever systemd[1]: Starting The Apache HTTP Server...
Dec 06 12:55:53 ubuntusever apachectl[1857]: AH00558: apache2: Could not re>
Dec 06 12:55:53 ubuntusever systemd[1]: Started The Apache HTTP Server.
lines 1-20/20 (END)
```

#### sudo nano /etc/hosts

```
GNU nano 6.2 /etc/hosts~ *

127.0.0.1 localhost

127.0.1.1 ubuntusever

192.168.56.102 lab2-1_008

192.168.56.102 lab2-2_008
```

```
*C:\Windows\System32\drivers\etc\hosts - Notepad++
                                                                                              <u>F</u>ile <u>E</u>dit <u>S</u>earch <u>V</u>iew <u>E</u>ncoding <u>L</u>anguage Se<u>t</u>tings <u>To</u>ols <u>M</u>acro <u>R</u>un <u>P</u>lugins <u>W</u>indow ?
 ] 🚽 🔚 😘 🥱 😘 🖒 | 🗸 🐚 🖺 | > C | ## 🗽 | 冬 🤏 | 🖫 🖼 | 5- 1 | IF 💆 💹 🕦 🗗 🗈 💇 | 🗷 🗉 D 🕬
📙 hosts 🗵
        # Copyright (c) 1993-2009 Microsoft Corp.
       # This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
        # This file contains the mappings of IP addresses to host names. Each
        # entry should be kept on an individual line. The IP address should
       # be placed in the first column followed by the corresponding host name.
       # The IP address and the host name should be separated by at least one
       # space.
       # Additionally, comments (such as these) may be inserted on individual
       # lines or following the machine name denoted by a '#' symbol.
  14
       # For example:
               102.54.94.97
                                rhino.acme.com
                                                           # source server
 17
               38.25.63.10 x.acme.com
                                                           # x client host
 18
 19
       # localhost name resolution is handled within DNS itself.
                           localhost
          127.0.0.1
                             localhost
            192.168.56.102 lab2-1 008
           192.168.56.102 lab2-2_008
 23
 24
Normal | length: 880 | lines: 24 | Ln: 23 | Col: 27 | Pos: 875
                                                                     Windows (CR LF) UTF-8
```

test



# Success! The lab2-1 virtual host is working!



Success! The lab2-2 virtual host is working!