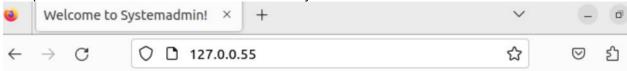
## Lab Objectives:

• Using apt install apache2 server

```
comarwalid@omarwalid=VirtualBox:~$ sudo apt install apache2
[sudo] password for omarwalid:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.4).
The following packages were automatically installed and are no longer required:
   libflashrom1 libftdi1-2 libllvm13
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 16 not upgraded.
```

• Replace the default index.html content with your own content



## Welcome to system admin lab4

• install php module for apache2

```
omarwalid@omarwalid-VirtualBox:~$ sudo apt install libapache2-mod-php
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
   libflashrom1 libftdi1-2 libllvm13
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
   libapache2-mod-php8.1 php-common php8.1-cli php8.1-common 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-common php8.1-cli
   php8.1-common php8.1-opcache php8.1-readline
```

create new Named VirtulHost to serve new php project with special access log

```
GNU nano 6.2
<VirtualHost *:80>
       # The ServerName directive sets the request scheme, hostname and port
       # the server uses to identify itself. This is used when creating
       # specifies what hostname must appear in the request's Host: header to
       # match this virtual host. For the default virtual host (this file) th
       # value is not decisive as it is used as a last resort host regardless
       # However, you must set it for any further virtual host explicitly.
       #ServerName www.example.com
       ServerAdmin webmaster@localhost
       DocumentRoot /var/www/html
```

• create simple index.php file for the php site

```
index.php *
 GNU nano 6.2
<? php
echo"welcome from system admin lab4";
```

• configure /etc/hosts for php site.

## 127.0.0.1

## systemadmin.local

• disable directory listing for the new virtualhost

```
systemAdmin.conf
  GNU nano 6.2
<VirtualHost *:80>
        # The ServerName directive sets the request scheme, hostname an
        # the server uses to identify itself. This is used when creatin
        # redirection URLs. In the context of virtual hosts, the Server
        # specifies what hostname must appear in the request's Host: he
       # match this virtual host. For the default virtual host (this f
        # value is not decisive as it is used as a last resort host req
        # However, you must set it for any further virtual host explici
        #ServerName www.example.com
        ServerName www.systemadmin.local
        ServerAdmin webmaster@localhost
       DocumentRoot /var/www/html/systemadmin
       Options-Indexes
```