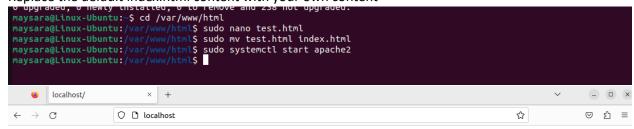
## System Admin II: Lab4

Using apt install apache2 server

```
maysara@Linux-Ubuntu:-$ sudo apt install apache2
[sudo] password for maysara:
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:
    linux-headers-5.15.0-60 linux-headers-5.15.0-60-generic linux-image-5.15.0-60-generic linux-modules-5.15.0-60-generic
    linux-modules-extra-5.15.0-60-generic systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 238 not upgraded.
maysara@Linux-Ubuntu:-$
```

Replace the default index.html content with your own content

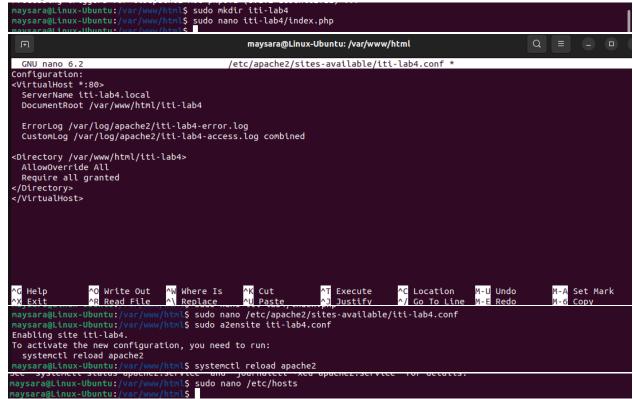


Hello world! -MS

Install php module for apache2

```
maysara@Linux-Ubuntu:/var/www/html$ sudo apt install libapache2-mod-php
Reading package lists... Done
Bullding dependency tree... Done
Reading state information... Done
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
0 upgraded, 7 newly installed, 0 to remove and 238 not upgraded.
Need to get 5,118 kB of archives.
After this operation, 21.3 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://eg.archive.ubuntu.com/ubuntu jammy/main amd64 php-common and64 8.1.2-1ubuntu2.11 [1,126 kB]
Get:2 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-opcache amd64 8.1.2-1ubuntu2.11 [365 kB]
Get:4 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-opcache amd64 8.1.2-1ubuntu2.11 [365 kB]
```

- Create new named VirtualHost to serve new php projet with special access log
- Create simple index.php file for the php site
- Configure /etc/hosts for php site



Disable directory listing for the new VirtualHost

maysara@Linux-Ubuntu:/var/www/html\$ sudo nano /etc/apache2/sites-available/iti-lab4.conf
maysara@Linux-Ubuntu:/var/www/html\$

```
maysara@Linux-Ubuntu: /var/www/html

GNU nano 6.2 /etc/apache2/sites-available/iti-lab4.conf *

Configuration:

<VirtualHost *:80>
ServerName iti-lab4.local
DocumentRoot /var/www/html/iti-lab4

ErrorLog /var/log/apache2/iti-lab4-error.log
CustomLog /var/log/apache2/iti-lab4-access.log combined

<Directory /var/www/html/iti-lab4>
Options -Indexes
AllowOverride All
Require all granted
</Directory>

</VirtualHost>
```