

## Lab 4

1. Using apt install apache2 server

```
hager@ubuntu22:~$ sudo apt install apache2
```

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

```
hager@ubuntu22:~$ sudo systemctl start apache2
hager@ubuntu22:~$ cd /var/www/html
hager@ubuntu22:/var/www/html$ sudo nano myindex.html
hager@ubuntu22:/var/www/html$ sudo mv myindex.html index.html
hager@ubuntu22:/var/www/html$ sudo systemctl restart apache2
hager@ubuntu22:/var/www/html$
```

3. install php module for apache2

```
hager@ubuntu22:/var/www/html$ sudo apt install libapache2-mod-php
```

4. create new Named VirtualHost to serve new php project with special access log
5. create simple index.php file for the php site

```
hager@ubuntu22:/var/www/html$ sudo mkdir /var/www/html/myproject
hager@ubuntu22:/var/www/html$ sudo nano /var/www/html/myproject/index.php
hager@ubuntu22:/var/www/html$ sudo nano /etc/apache2/sites-available/myproject.conf
```

6. configure /etc/hosts for php site

```
<VirtualHost *:80>
    ServerName myproject.local
    DocumentRoot /var/www/html/myproject

    ErrorLog /var/log/apache2/myproject-error.log
    CustomLog /var/log/apache2/myproject-access.log combined

    <Directory /var/www/html/myproject>
        AllowOverride All
        Require all granted
    </Directory>
</VirtualHost>
```

```
hager@ubuntu22:/var/www/html$ sudo nano /etc/hosts
hager@ubuntu22:/var/www/html$ systemctl reload apache2
hager@ubuntu22:/var/www/html$ sudo a2ensite myproject.conf
Enabling site myproject.
To activate the new configuration, you need to run:
systemctl reload apache2
```

7. disable directory listing for the new virtualhost

```
hager@ubuntu22:/var/www/html$ sudo nano /etc/apache2/sites-available/myproject.conf
```