

## Lab5 Objectives:

### 1. Using apt , install nginx

- command:
  - `sudo apt install nginx`
- screen shot:

```
mariam@mariam-VirtualBox:~/Desktop$ sudo apt install nginx
Reading package lists... Done
```

### 2. Enable port 80 on the firewall

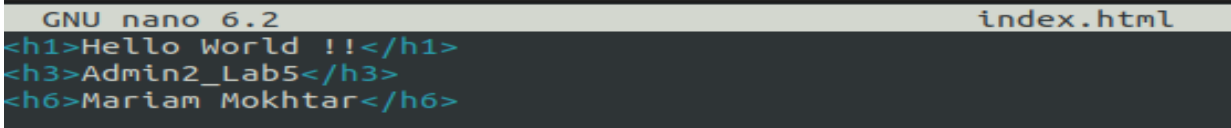
- commands:
  - `sudo ufw enable`
  - `sudo ufw enable`
- screen shot:

```
mariam@mariam-VirtualBox:~/Desktop$ sudo ufw enable
Firewall is active and enabled on system startup
mariam@mariam-VirtualBox:~/Desktop$ sudo ufw allow 80/tcp
Skipping adding existing rule
```

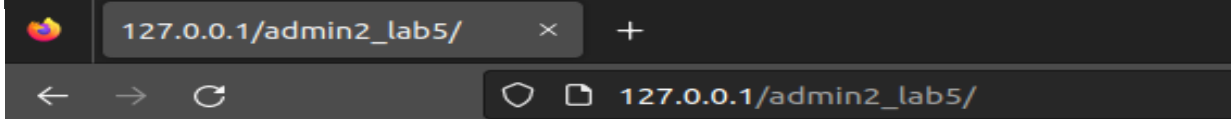
### 3. Create index.html file on root directory of the server section and test it

- commands:
  - `sudo systemctl start nginx`
  - `cd /var/www/html/admin2_lab5`
  - `sudo nano index.html`
- screen shot:

```
mariam@mariam-VirtualBox:/var/www/html$ sudo systemctl start nginx
mariam@mariam-VirtualBox:/var/www/html$ cd /var/www/html/admin2_lab5
mariam@mariam-VirtualBox:/var/www/html/admin2_lab5$ sudo nano index.html
```



```
GNU nano 6.2 index.html
<h1>Hello World !!</h1>
<h3>Admin2_Lab5</h3>
<h6>Mariam Mokhtar</h6>
```



```
127.0.0.1/admin2_lab5/
```

**Hello World !!**

**Admin2\_Lab5**

**Mariam Mokhtar**

#### **4. Install php-fpm package**

- commands:
  - `sudo apt-get install php-fpm`
- screen shot:

```
mariam@mariam-VirtualBox:/var/www/html/admin2_lab5$ sudo apt-get install php-fpm
```

#### **5. configure main site to enable php-fpm**

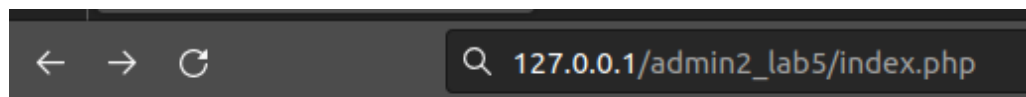
- commands:
  - `sudo nano /etc/nginx/sites-available/default`
- screen shot:

```
mariam@mariam-VirtualBox:/var/www/html/admin2_lab5$ sudo nano /etc/nginx/sites-available/default
```

```
location / {  
    try_files $uri $uri/ =404;  
}  
  
location ~ \.php$ {  
    include snippets/fastcgi-php.conf;  
    fastcgi_pass unix:/run/php/php8.1-fpm.sock;  
}  
##
```

#### **6. create index.php**

- commands:
  - `sudo nano index.php`
- screen shot:



Hello World!,Admin2\_Lab5