

Lab5 System Admin2

- Using apt , install nginx

```
habiba@habiba-VirtualBox: ~  
habiba@habiba-VirtualBox:~$ sudo apt install nginx  
[sudo] password for habiba:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following package was automatically installed and is no longer required:  
  systemd-hwe-hwdb  
Use 'sudo apt autoremove' to remove it.  
The following additional packages will be installed:
```

- Enable port 80 on the firewall

```
habiba@habiba-VirtualBox:~$ sudo ufw allow 80/tcp  
Rule added  
Rule added (v6)  
habiba@habiba-VirtualBox:~$
```

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

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

```
habiba@habiba-VirtualBox: /var/www/html  
GNU nano 6.2 index.html  
<h1>hello i'm habiba Alaa El-din</h1>  
  
localhost/index.html  
localhost/index.html  
  
hello i'm habiba Alaa El-din
```

4- Install php-fpm package

```
habiba@habiba-VirtualBox:/var/www/html$ sudo apt install php-fpm  
[sudo] password for habiba:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following package was automatically installed and is no longer required:  
  systemd-hwe-hwdb  
Use 'sudo apt autoremove' to remove it.  
The following additional packages will be installed:  
  php8.1-fpm  
Suggested packages:  
  php-pear
```

5- configure main site to enable php-fpm

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

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

6- create index.php file and test it.

```
habiba@habiba-VirtualBox:/var/www/html$ sudo nano index.php
habiba@habiba-VirtualBox:/var/www/html$
```

```
habiba@habiba-VirtualBox: /var/www/h
GNU nano 6.2 index.php
<?php echo 'hello,we are in index.php';?>
```