Lab5 System Admin2

- Using `apt` , install `nginx`

```
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
```

```
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';?>
```

localhost/index.php   ×   +

← → C   localhost/index.php   ☆

hello,we are in index.php