LAB 5

- **STEP-1**: Using apt install nginx

> Commands
>
> ➢ sudo apt install nginx

```
hager@hager-VirtualBox:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

- **STEP-2**: Enable port 80 on the firewall

> Commands
>
> ➢ Sudo ufw enable
> ➢ Sudo ufw allow 80/tcp

```
hager@hager-VirtualBox:~$ sudo ufw enable
Firewall is active and enabled on system startup
hager@hager-VirtualBox:~$ sudo ufw allow 80/tcp
Rule added
Rule added (v6)
```

- **STEP-3**: Create index.html file on root directory of the server section and test it

> Commands
>
> ➢ Sudo systemctl start nginx
> ➢ Cd /var/www/html
> ➢ Sudo nano index.html

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

```
  GNU nano 6.2                          index.html *
<h1>Hello From ITI</h1>
```

127.0.0.1/   ×   +

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Hello From ITI
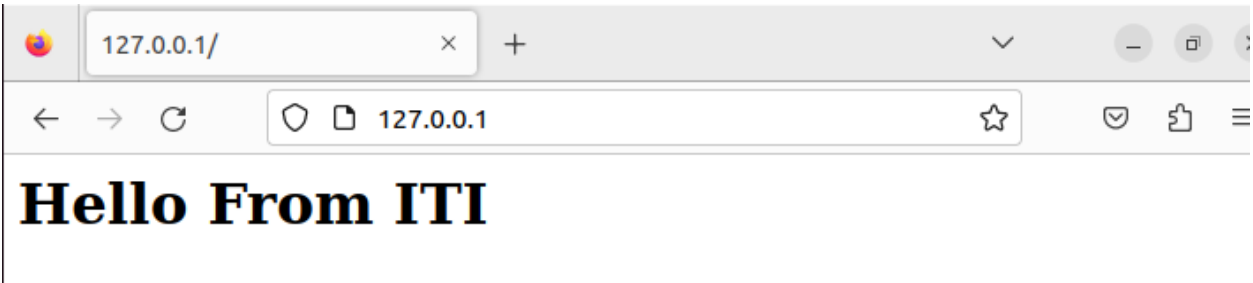
- **STEP-4**: Install php-fpm package

Commands

  ➢ sudo apt install php-fpm

```
hager@hager-VirtualBox:/var/www/html$ sudo apt install php-fpm
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

- **STEP-5**: Configure main site to enable php-fpm

Commands

  ➢ sudo nano /etc/nginx/sites-available/default

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

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

- **STEP-6**: Create index.php file and test it

```
hager@hager-VirtualBox:/var/www/html$ sudo nano index.php
  GNU nano 6.2                          index.php *
<?php echo 'Hello From ITI ,PHP'; ?>
```

← → C   Q 127.0.0.1/index.php

Hello From ITI, PHP