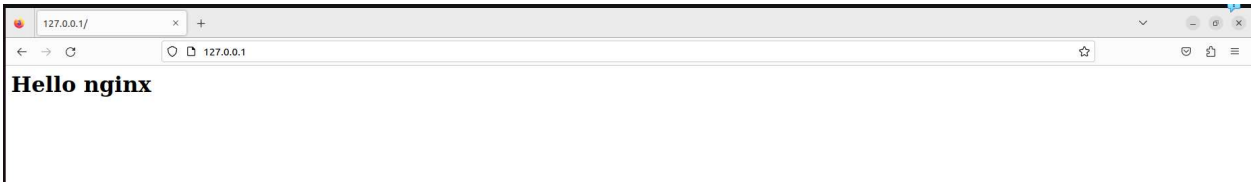
1- Using `apt` , install `nginx`
2- `Enable port 80 on the firewall`
3- Create `index.html` file on root directory of the server section and test it
4- Install php-fpm package
5- configure main site to enable `php-fpm`
6- create `index.php` file and test it.

```
radwa@Ubunto:~/Desktop$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libnginx-mod-http-geoip2 libnginx-mod-http-image-filter
  libnginx-mod-http-xslt-filter libnginx-mod-mail
  libnginx-mod-stream libnginx-mod-stream-geoip2
  nginx-common nginx-core
Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
  libnginx-mod-http-geoip2 libnginx-mod-http-image-filter
  libnginx-mod-http-xslt-filter libnginx-mod-mail
  libnginx-mod-stream libnginx-mod-stream-geoip2 nginx
  nginx-common nginx-core
0 upgraded, 9 newly installed, 0 to remove and 261 not upgraded.
Need to get 696 kB of archives.
After this operation, 2,395 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

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

```
radwa@Ubunto:~/Desktop$ sudo systemctl start nginx
radwa@Ubunto:~/Desktop$ cd /var/www/html
radwa@Ubunto:/var/www/html$ sudo nano index.html
radwa@Ubunto:/var/www/html$ sudo nano index.html
radwa@Ubunto:/var/www/html$ sudo systemctl stop apache2
radwa@Ubunto:/var/www/html$ sudo nano index.html
radwa@Ubunto:/var/www/html$ sudo systemctl start nginx.service
```

```
  GNU nano 6.2                                index.html
<h1>Hello nginx</h1>
```



Hello nginx

```
radwa@Ubunto:/var/www/html$ sudo apt install php-fpm
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  php8.1-fpm
Suggested packages:
  php-pear
The following NEW packages will be installed:
  php-fpm php8.1-fpm
0 upgraded, 2 newly installed, 0 to remove and 261 not upgraded.
Need to get 1,843 kB of archives.
After this operation, 5,634 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

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

Hello from Admin Lab5

```
radwa@Ubunto:/var/www/html$ sudo nano index.php
```

```
 GNU nano 6.2                          index.php
<?php echo 'Hello from Admin Lab5'; ?>
```

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