

Lab 5

- 1) Using apt , install nginx

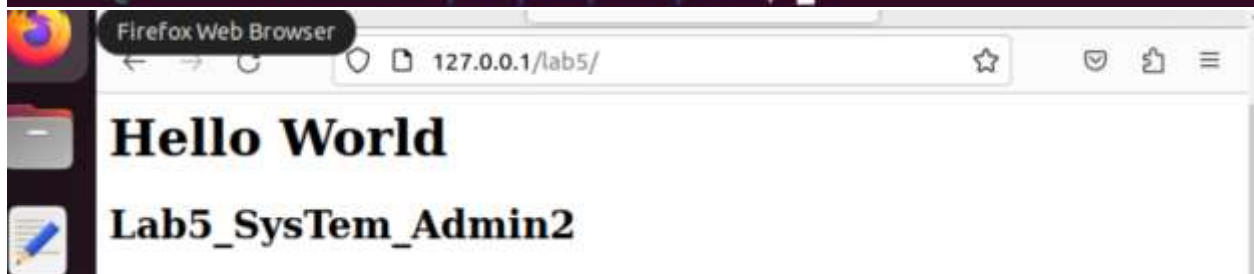
```
raneen@raneen-VirtualBox:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

- 2) Enable port 80 on the firewall

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

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

```
raneen@raneen-VirtualBox:~$ sudo systemctl start nginx
raneen@raneen-VirtualBox:~$ cd /var/www/html
raneen@raneen-VirtualBox:/var/www/html$ sudo mkdir lab5
raneen@raneen-VirtualBox:/var/www/html$ cd /var/www/html/lab5
raneen@raneen-VirtualBox:/var/www/html/lab5$ sudo nano index.html
raneen@raneen-VirtualBox:/var/www/html/lab5$
```



- 4) Install php-fpm package

```
raneen@raneen-VirtualBox:/var/www/html/lab5$ sudo apt-get 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
```

- 5) configure main site to enable php-fpm

```
location / {
    # First attempt to serve request as file, then
    # as directory, then fall back to displaying a 404.
    try_files $uri $uri/ =404;
}

# pass PHP scripts to FastCGI server
#
location ~ \.php$ {
    include snippets/fastcgi-php.conf;
    #
    # With php-fpm (or other unix sockets):
    fastcgi_pass unix:/run/php/php7.4-fpm.sock;
    # With php-cgi (or other tcp sockets):
    fastcgi_pass 127.0.0.1:9000;
}
```

- 6) create index.php

