Install and configure NGINX in AWS EC2

Remote to our EC2 instance

```
ssh username@ip address
```

Switch to super user

```
sudo su
# input password
```

Install nginx

```
apt update
apt install nginx
```

Using nginx service

```
- service nginx status
- service nginx start #to start nginx service
- nginx -t #to check if there nginx configuration error
- service nginx restart #to restart nginx service
```

Check if your website is working

a. check by using public ip with your web browser

b. check by using your domain with your web browser

If not working, please check if group policy in EC2 if allow inboud port 80 and 443

Create nginx configuration for your domain and website

Create new configuration file in folder: /etc/nginx/sites-available

```
nano dse.komroung.com
```

Input following content

```
server {
    listen 80;
    listen [::]:80;
    server_name dse.komroung.com;
    root /var/www/dse.komoung.com;
    index index.html;
    location / {
        try_files $uri $uri/ =404;
    }
}
```

Create folder /var/www/dse.komoung.com to store our html files

```
mkdir /var/www/dse.komoung.com
```

Activate our new domain nginx configuration file

```
ln -s /etc/nginx/sites-available/dse.komroung.com /etc/nginx/sites-
enabled/
```

Check if configuration is okay

```
nginx -t
```

Restart nginx service

```
service nginx restart
```

Activate SSL

Install certbot

```
apt install certbot python3-certbot-nginx
```

Request SSL from Let encrypt

```
certbot --nginx -d dse.komroung.com
```