1. Install nginx

command: sudo apt-get install nginx

2. Check the status of nginx service

sudo systemctl status nginx

3. Verify nginx installation

Run the wget command: wget http://localhost/. You should see the nginx default index page index.html got downloaded successfully.

4. Create website directory

sudo mkdir /var/www/sonal-website

5. Create a simple HTML code to the index.hml file:

Please refer the link of the added HTML code from this link: https://github.com/sonalbatch5/devops assignment/blob/main/network assignment/question1/index.html

6. Set permissions

sudo chown -R www-data sonal-website sudo chown -R 755 sonal-website

```
ubuntu@ip-172-31-41-2:/var/www$ sudo chown -R www-data sonal-website
ubuntu@ip-172-31-41-2:/var/www$ sudo chown -R 755 sonal-website/
ubuntu@ip-172-31-41-2:/var/www$ ■
```

7. Create nginx configuration

cp -rf /etc/nginx/sites-available/default /etc/nginx/sites-available/sonal-website

And add the below configuration:

```
## Default server configuration
# possible for the production of t
```

8. Enable the website with below command:

sudo In -s /etc/nginx/sites-available/sonal-website /etc/nginx-sites/enabled

```
ubuntu@ip-172-31-41-2:/var/www$
ubuntu@ip-172-31-41-2:/var/www$ sudo ln -s /etc/nginx/sites-available/sonal-website /etc/nginx/sites-enabled/
```

9. Test nginx configuration

nginx -t

10. Restart nginx

sudo systemctl restart nginx

11.Add below entry in the /etc/hosts file

127.0.0.1 sonal-website

12. Open a web browser and nagivate to http://sonal-website . You should see your website running.

wget http://sonal-webiste should also download the index.html file