1. Install nginx and host a simple index.html with message "hello nginx"

Install nginx :

sudo apt install nginx

Make a directory test in **/var/www/** and creating **index.html** in that directory

mkdir /var/www/test

vi /var/www/test/index.html

And paste the following sample html file

```
<!DOCTYPE html>

<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
  <title>DevOps Assignment</title>
  <LINK href="styles.css" rel="stylesheet" type="text/css">
</head>


<body>


<h1>
  Hello NGINX !!
</h1>
<p>
From DevOps Internship !!
</p>


</body>
</html>
```

Save and exit

```
root@bibek-lfTechnology:~# ls /var/www/test/
index.html
root@bibek-lfTechnology:~# |
```

```html
<!DOCTYPE html>

<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
  <title>DevOps Assignment</title>
  <LINK href="styles.css" rel="stylesheet" type="text/css">
</head>

<body>

<h1>
  Hello NGINX !!
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<p>
From DevOps Internship !!
</p>

</body>
</html>
~
```

Index.html has the message to display **Hello Nginx**

Make a test.conf file in **sites-available**

vi /etc/nginx/sites-available/test.conf

server {

   listen 80;

   server_name localhost;

   root /var/www/test;

   index index.html;

   access_log /var/log/nginx/test.log;

   error_log /var/log/nginx/test-error.log;

}

Save and exit

Create soft link of test.conf file from **sites-available to sites-enabled**

ln -s /etc/nginx/sites-available/test.conf /etc/nginx/sites-enabled/

Check for the syntax error and if everything is ok restart the nginx service

nginx -t

systemctl restart nginx

```
root@bibek-lfTechnology:~# nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
root@bibek-lfTechnology:~# systemctl restart nginx
```

If we browse local host, we can see the web page with required message