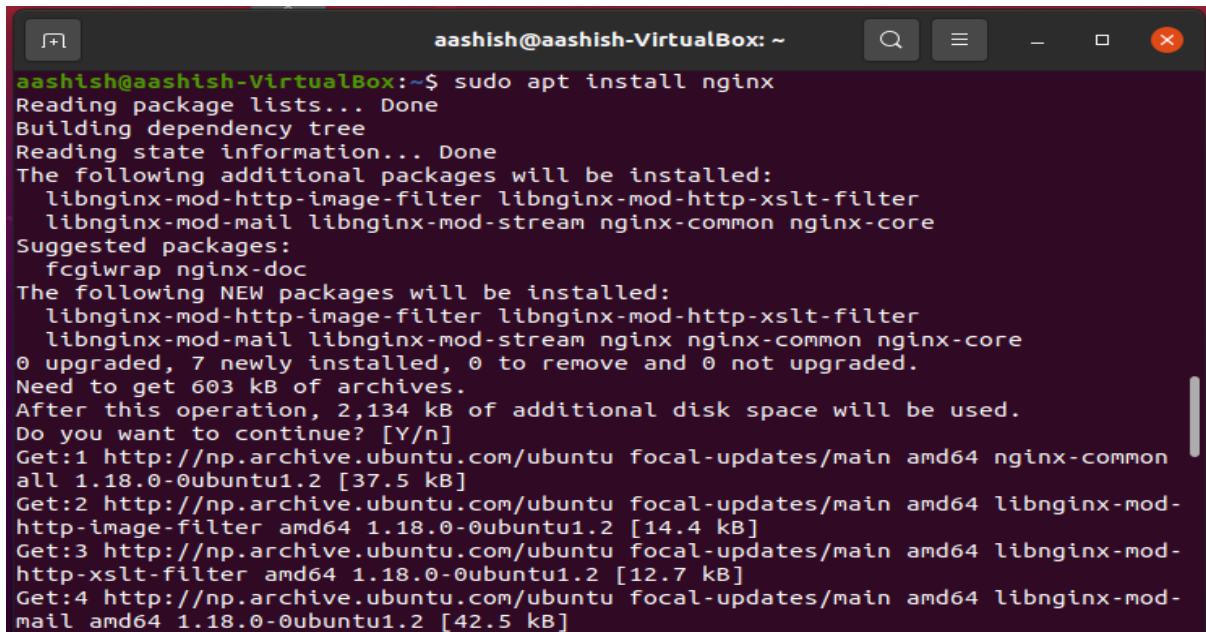**1.**
Install nginx and host a simple index.html with message "Hello NGINX".

Answer:

Firstly, we need to install the nginx. To install nginx we use following command;
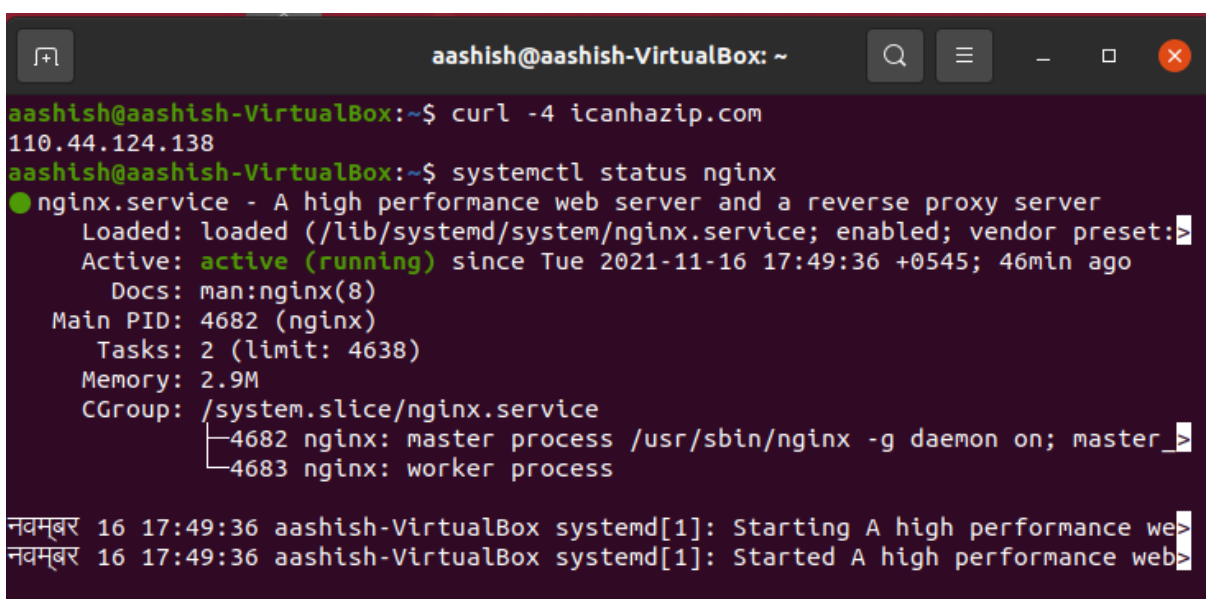- **sudo apt install nginx**

After installing the nginx server, we start the nginx server and check the status using following commands;
- **sudo systemctl start nginx**
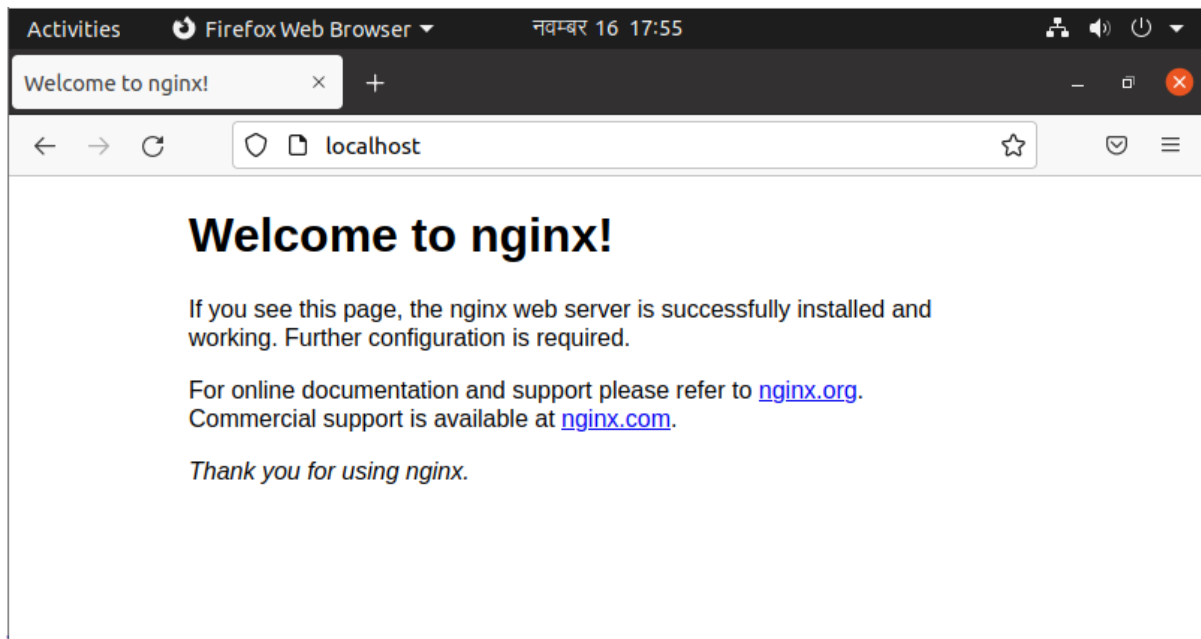- **sudo systemctl status nginx**

Since, the nginx server is running. We can test it from the web browser as well.

Now, we create a directory **/var/www/aashish/html/** and add index.html in the directory using following command;
- **sudo mkdir /var/www/aashish/html**
- **cd /var/www/aashish/html**
- **sudo nano index.html**
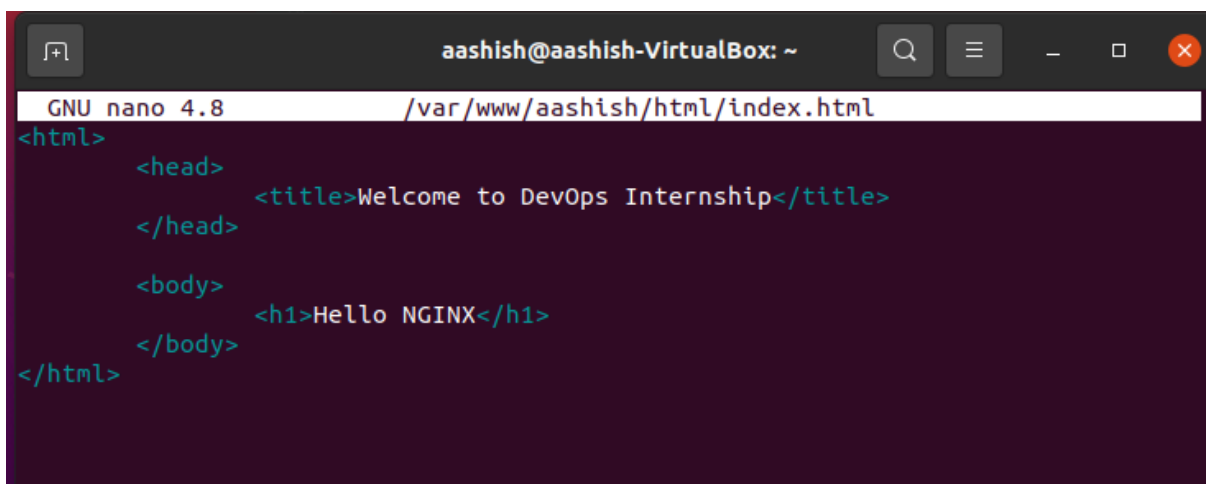
In the **index.html** file the above things are added.

Now, we create a aashish.conf file in **/etc/nginx/sites-available** using following command;
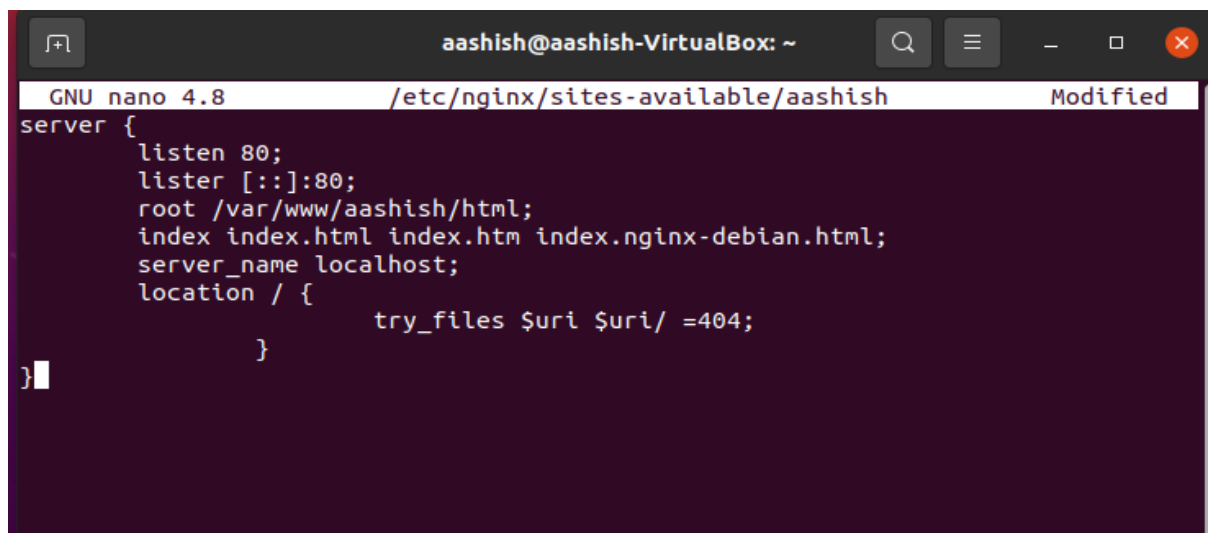- **nano /etc/nginx/sites-available/aashish.conf**

We add the following things in the **aashish.conf** file and save and exit.

server {
listen 80;
listen [::]:80;
root /var/www/aashish/html;
index index.html index.htm index.nginx-debian.html;
server_name localhost;
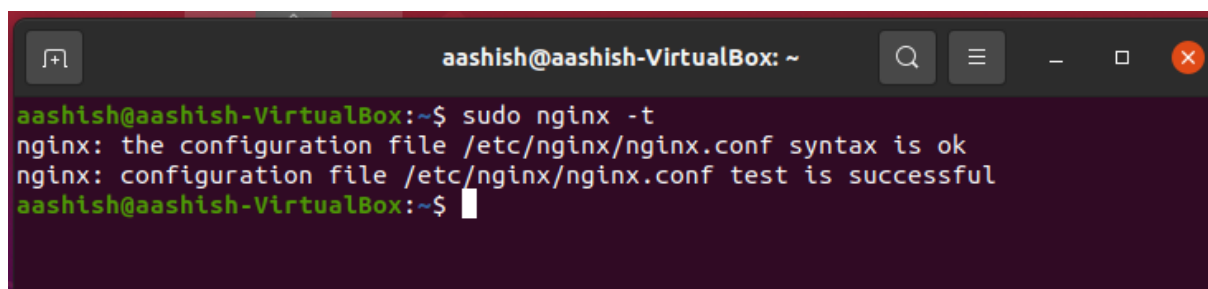**location / {**
try_files $uri $uri/ =404;
}
}

We create symbolic link or soft link of aashish.conf file from /etc/nginx/sites-available to /etc/nginx/sites-enabled using following command;

- **ln -s /etc/nginx/sites-available/aashish.conf /etc/nginx/sites-available**

Then, we check the for syntax error and if everything is fine we restart the nginx server using following commands;

- **sudo nginx -t**
- **sudo systemctl restart nginx**

After restarting the server, we test it on the web browser as follows;

Hence, the **index.html** file is hosted successfully with message "**Hello NGINX**" at localhost.