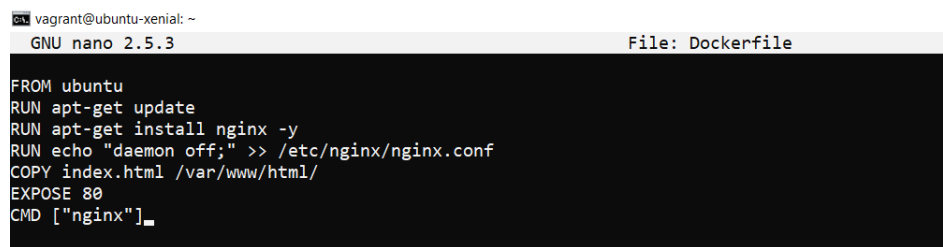


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## **Experiment - 4**

**To create Docker image using Dockerfile and pushing to Docker Hub**

- **Create a Dockerfile**



```
vagrant@ubuntu-xenial: ~  
GNU nano 2.5.3 File: Dockerfile  
  
FROM ubuntu  
RUN apt-get update  
RUN apt-get install nginx -y  
RUN echo "daemon off;" >> /etc/nginx/nginx.conf  
COPY index.html /var/www/html/  
EXPOSE 80  
CMD ["nginx"]_
```

- **Create index.html**



```
vagrant@ubuntu-xenial: ~  
GNU nano 2.5.3 File: index.html  
  
<html>  
<h1>Level Up In Tech</h1>  
<p>Learning it. Labbing it. Leveling it</p>  
<p>This is a simple static website, built and deliver from a docker container</p>  
<p>Please visit us here: <a href="levelupintech.com">Level Up In Tech</a></p>  
</html>_
```

```

Last login: Wed Feb 10 12:10:53 2021 from 10.0.2.2
vagrant@ubuntu-xenial:~$ touch Dockerfile
vagrant@ubuntu-xenial:~$ ls
Dockerfile
vagrant@ubuntu-xenial:~$ nano Dockerfile
vagrant@ubuntu-xenial:~$ vagrant@ubuntu-xenial:~$ cat Dockerfile
FROM ubuntu
RUN apt-get update
RUN apt-get install nginx -y
RUN echo "daemon off;" >> /etc/nginx/nginx.conf
COPY index.html /var/www/html/
EXPOSE 80
CMD ["nginx"]
vagrant@ubuntu-xenial:~$ ls -la
.  .. .bash_history .bash_logout .bashrc .cache Dockerfile .nano .profile .ssh
vagrant@ubuntu-xenial:~$ touch index.html
vagrant@ubuntu-xenial:~$ nano index.html
vagrant@ubuntu-xenial:~$ vagrant@ubuntu-xenial:~$ ls
Dockerfile index.html
vagrant@ubuntu-xenial:~$ docker build .
Sending build context to Docker daemon 15.87kB
Step 1/7 : FROM ubuntu
--> d70eaf7277ea
Step 2/7 : RUN apt-get update
--> Running in c6e5f49fa6a3
Get:1 http://archive.ubuntu.com/ubuntu focal InRelease [265 kB]
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [109 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:5 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [664 kB]

```

```

vagrant@ubuntu-xenial:~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
<none>              <none>             fdc54590710        About a minute ago 159MB
alpine              latest             e50c909a8df2       2 weeks ago        5.61MB
redis               latest             74d107221092       3 months ago       104MB
ubuntu              latest             d70eaf7277ea       3 months ago       72.9MB
vagrant@ubuntu-xenial:~$ docker tag fdc54590710 harivanshcodes/mynignx:1.0
vagrant@ubuntu-xenial:~$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
harivanshcodes/mynignx 1.0                fdc54590710        10 minutes ago     159MB
alpine              latest             e50c909a8df2       2 weeks ago        5.61MB
redis               latest             74d107221092       3 months ago       104MB
ubuntu              latest             d70eaf7277ea       3 months ago       72.9MB
vagrant@ubuntu-xenial:~$ docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: harivanshcodes
Password:
WARNING! Your password will be stored unencrypted in /home/vagrant/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
vagrant@ubuntu-xenial:~$ docker push harivanshcodes/mynignx:1.0
The push refers to repository [docker.io/harivanshcodes/mynignx]
5c5197cbd400: Pushed
6d7fc2663ed: Pushed
79ce00acb3d2: Pushed
e83777756263: Pushed
cc9d18e0f9aa: Mounted from library/ubuntu
0c2680e3f920: Mounted from library/ubuntu
47dde53750b4: Mounted from library/ubuntu
1.0: digest: sha256:dc8cc7d7224668361f4aa0286df73e00983b5a71001ed68f961cbf0f5a083456 size: 1781
vagrant@ubuntu-xenial:~$

```