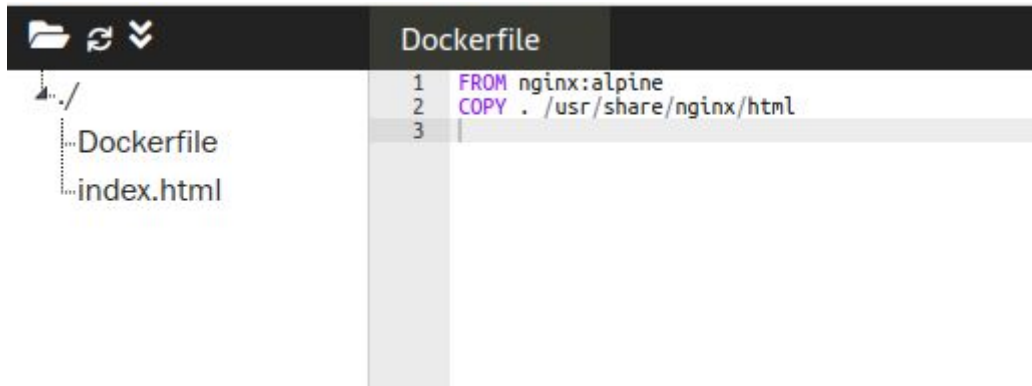


# Continuous Integration and Deployment Lab

## Experiment - 14 (DockerHub)

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Writing this in a Dockerfile

```
Terminal    docker:80  +
Your Interactive Bash Terminal. A safe place to learn and execute commands.
$
$ docker build -t webserver-image:v1 .
Sending build context to Docker daemon 3.072kB
Step 1/2 : FROM nginx:alpine
--> 98ab35023fd6
Step 2/2 : COPY ./usr/share/nginx/html
--> 532f82c7a71f
Successfully built 532f82c7a71f
Successfully tagged webserver-image:v1
$
```

Run the above command to build an image of the dockerfile

```
$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
webserver-image	v1	532f82c7a71f	31 seconds ago	22.3MB
nginx	alpine	98ab35023fd6	6 days ago	22.3MB
ubuntu	latest	16508e5c265d	2 years ago	84.1MB
redis	latest	4e8db158f18d	2 years ago	83.4MB
weaveworks/scope	1.9.1	4b07159e407b	2 years ago	68MB
alpine	latest	11cd0b38bc3c	2 years ago	4.41MB

Run the above the command to check running images

```
$ docker run -d -p 80:80 webserver-image:v1
8d6d8a8cc320417b8b8fc509810c1c41ab5ab990fbcadcabdd3cc51c9583bf01
```

Run this command to run the image

```
$ curl docker
<h1>Hello World</h1>
```

Printing the contents of the html page hosted on nginx server

```
$ docker login --username harivanshcodes
Password:
Login Succeeded
```

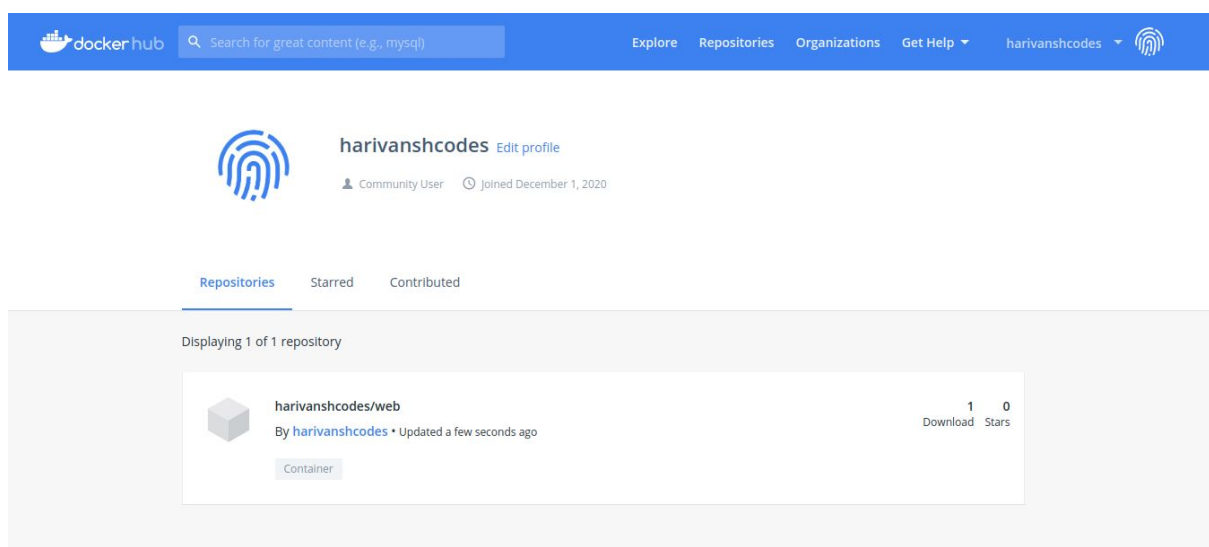
Login to DockerHub ID

```
$ docker tag webserver-image:v1 harivanshcodes/web
```

Add tag to the image

```
$ docker push harivanshcodes/web
The push refers to repository [docker.io/harivanshcodes/web]
f3b9d0e99417: Pushed
468af79aab10: Mounted from library/nginx
fbf82c12d86e: Mounted from library/nginx
4dc20fbc0e8d: Mounted from library/nginx
b831cc3ae47e: Mounted from library/nginx
ace0eda3e3be: Mounted from library/nginx
latest: digest: sha256:d6e73e5e54c47a0597b7ccbfbcfe1c08f7b7ec23e87998dea25756658d2ecd size: 1567
```

Push the image to DockerHub



DockerHub showing the Pushed Image

```
$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
redis	latest	4760dc956b2d	2 years ago	107MB
ubuntu	latest	f975c5035748	2 years ago	112MB
alpine	latest	3fd9065eaf02	2 years ago	4.14MB

In a fresh instance, Run this command to see that image is not running

```
$ docker run -d -p 80:80 harivanshcodes/web
Unable to find image 'harivanshcodes/web:latest' locally
latest: Pulling from harivanshcodes/web
188c0c94c7c5: Already exists
617561f33ec6: Already exists
7d856acdaa9c: Already exists
a0d3c6e28e6d: Already exists
af69a9b963c8: Already exists
84ddd6ad599c: Pull complete
Digest: sha256:d6e73e5e54c47a0597b7ccbfbccefelc08f7b7ec23e87998dea25756658d2ecd
Status: Downloaded newer image for harivanshcodes/web:latest
0fb5591d8991318a56bcbef07efc9aa50b09756041d225181719c2984bf15e1d
```

Running the above given command will Pull the image and then run it