

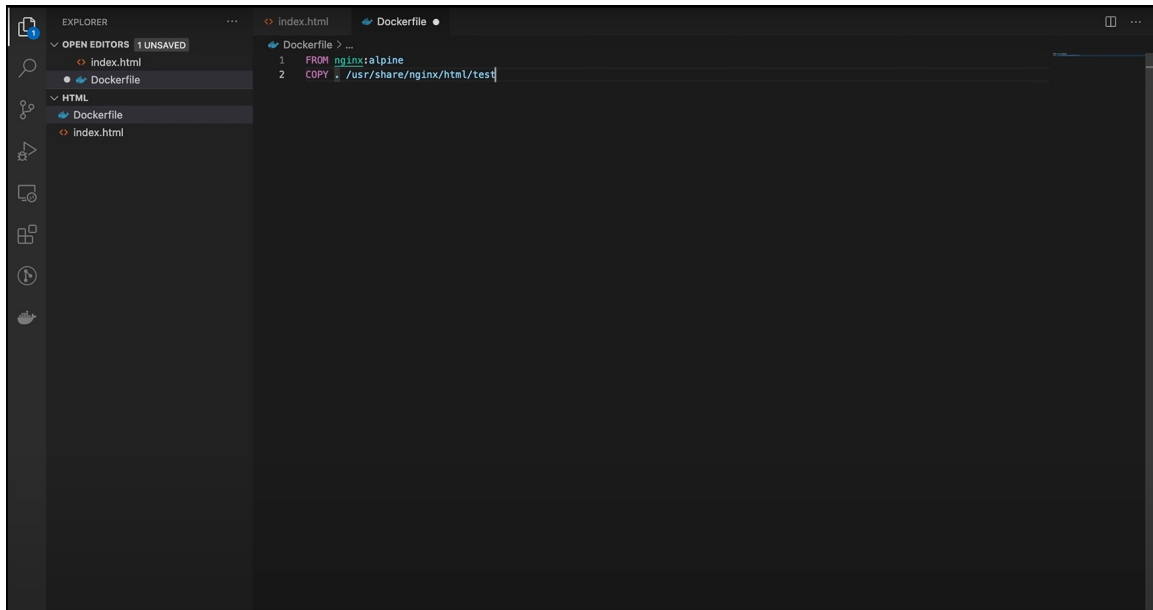
## ASSIGNMENT 7

AIM : Deploying a static web page as a container.

THEORY :

Create a folder and store a dockerfile within it.

After that create an HTML file and write basic code to print a simple message. After that write the following code in the Docker file.

A screenshot of a code editor interface. The Explorer panel on the left shows a project structure with a folder named 'HTML' containing 'Dockerfile' and 'index.html'. The main editor area has two tabs: 'index.html' and 'Dockerfile'. The 'Dockerfile' tab is active, showing the following content:

```
1 FROM nginx:alpine
2 COPY /usr/share/nginx/html/test
```

Then go to command prompt and run the following commands to build the docker image as a container.

```

→ html docker build -t html .
Sending build context to Docker daemon 3.072kB
Step 1/2 : FROM nginx:alpine
---> eb9291454164
Step 2/2 : COPY . /usr/share/nginx/html/test
---> 5021c1f988f9
Successfully built 5021c1f988f9
Successfully tagged html:latest
→ html docker images

```

| REPOSITORY            | TAG       | IMAGE ID     | CREATED       | SIZE   |
|-----------------------|-----------|--------------|---------------|--------|
| html                  | latest    | 5021c1f988f9 | 3 seconds ago | 22.6MB |
| nginx                 | alpine    | eb9291454164 | 2 weeks ago   | 22.6MB |
| n8nio/n8n             | latest    | 9c6f067164a7 | 3 weeks ago   | 422MB  |
| ubuntu                | latest    | f643c72bc252 | 3 months ago  | 72.9MB |
| phpmyadmin/phpmyadmin | latest    | 9d4ec4bbd5e5 | 7 months ago  | 469MB  |
| node                  | alpine    | 3bf5a7d41d77 | 9 months ago  | 117MB  |
| node                  | 8-stretch | 8eeadf3757f4 | 14 months ago | 901MB  |
| mysql                 | 8.0.1     | 7896f0417528 | 3 years ago   | 262MB  |

```

→ html

```

Now run the built image on a suitable port using the following command.

```

→ html docker run -p 8080:80 -d html
c84b123b073ce884933caa977f6619782d047e0758172486f3ef47ac3cf990d9
→ html docker ps

```

| CONTAINER ID | IMAGE | COMMAND NAMES            | CREATED       | STATUS      |
|--------------|-------|--------------------------|---------------|-------------|
| c84b123b073c | html  | "/docker-entrypoint...." | 2 seconds ago | Up 2 second |

```

s 0.0.0.0:8080->80/tcp sleepy_jang
→ html

```

Then go to port 8080 and you will see the sign "Welcome to Nginx".

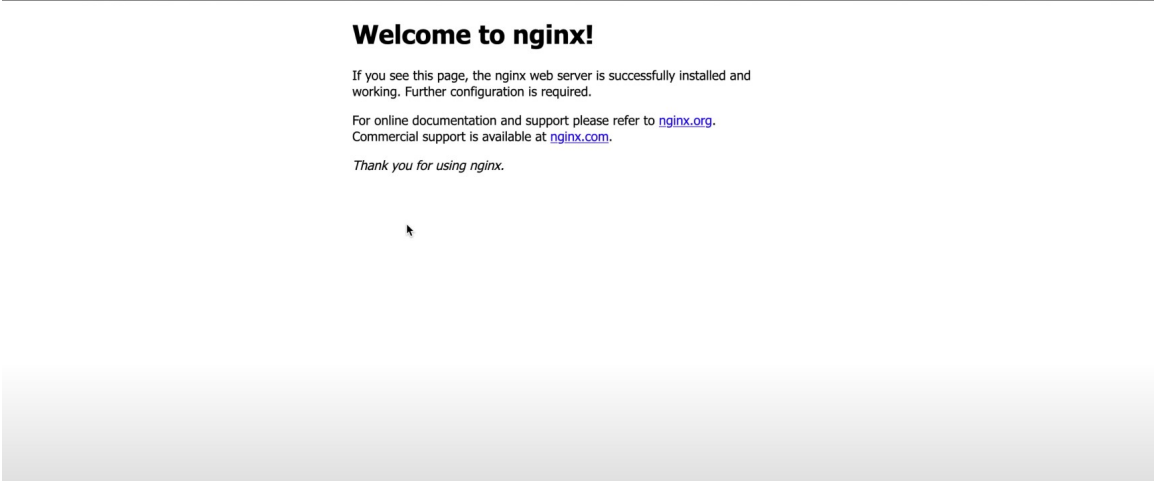
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## Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*



Then type `/test` to go to the image that you have built and obtain the respective output.

**This is a simple web page**



**CONCLUSION** : In this assignment we learnt how to build a docker image and how to run it on a browser.