

Project Name: Dockerfile Project

1. Create Directory

Name – myapp

```
mkdir myapp
cd myapp
```

2. Create File

Name – index.html

```
touch index.html
cat > index.html
“Hello World “
cat index.html
```

3. Create Dockerfile

Now, create a file named **Dockerfile** (without any extension):

```
# Use the official Nginx image from Docker Hub
FROM nginx:latest

# Copy our HTML file into the Nginx web directory
COPY index.html /usr/share/nginx/html
```

4. Start docker

```
sudo service docker start
docker info
```

5. Build the Docker Image

Open your terminal in the `dockerfile-html-project` folder and run:

```
docker build -t myapp .
docker images
```

6. Run the Container

Now, start the container using:

```
docker run -p 8080:80 myapp
docker run -d -p 8080:80 myapp
```

- `-d` → run in detached (background) mode
 - `-p 8080:80` → map port 8080 on your computer to port 80 inside the container
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7. Access Your Web Page

Open your browser and go to:

□ <http://localhost:8080>

You should see your message:

“Hello World”

8. Verify Your Running Container

Check the list of running containers:

```
docker ps
```

Stop the container when done:

```
docker stop <container_id>
```