

Task

Task: Create a dockerfile, docker-compose file which when executed must display your basic details in the website.

1. Creating project directory.

```
ubuntu@ip-172-31-43-17:~$ mkdir mydetails-app
ubuntu@ip-172-31-43-17:~$ cd mydetails-app
ubuntu@ip-172-31-43-17:~/mydetails-app$ |
```

2. Create an HTML File (Website)

```
<html>
<head><title>My Details</title></head>
<body>
    <h1>Professional Profile</h1>
    <p><strong>Name:</strong> Dugyala Ravalji</p>
    <p><strong>Role:</strong> DevOps Engineer</p>
    <p><strong>Status:</strong> Running in Docker on EC2!</p>
</body>
</html>
~
~
~
~
~
~
```

3. Creating dockerfile

```
# Use the official Nginx image as a base
FROM nginx:alpine

# Copy your local index.html to the Nginx web root
COPY index.html /usr/share/nginx/html/index.html

# Expose port 80
EXPOSE 80
~
```

4. Creating docker compose YAML file

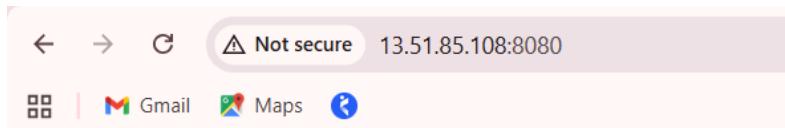
```
ubuntu@ip-172-31-43-17: ~/mydetails-app
version: '3.8'
services:
  web-profile:
    build: .
    ports:
      - "8080:80"
    restart: always
~
```

5. Build and run container

```
ubuntu@ip-172-31-43-17:~/mydetails-app$ docker-compose up -d
Creating network "mydetails_app_default" with the default driver
DEPRECATION: The legacy builder is deprecated and will be removed in a future release.
  Install the buildx component to build images with BuildKit:
    https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 4.096kB
Step 1/3 : FROM nginx:alpine
alpine: Pulling from library/nginx
589002ba0eae: Pulling fs layer
9331cd6029cb: Pulling fs layer
211bae00ea56: Pulling fs layer
9739627526d7: Pulling fs layer
6c2f4c63521d: Pulling fs layer
76fc765fd3b0: Pulling fs layer
cd835559902a: Pulling fs layer
55cb0d6285fe: Pulling fs layer
6c2f4c63521d: Waiting
76fc765fd3b0: Waiting
cd835559902a: Waiting
55cb0d6285fe: Waiting
9739627526d7: Waiting
211bae00ea56: Verifying Checksum
211bae00ea56: Download complete
9331cd6029cb: Verifying Checksum
9331cd6029cb: Download complete
589002ba0eae: Verifying Checksum
589002ba0eae: Download complete
589002ba0eae: Pull complete
9331cd6029cb: Pull complete
211bae00ea56: Pull complete
9739627526d7: Verifying Checksum
76fc765fd3b0: Verifying Checksum
76fc765fd3b0: Download complete
9739627526d7: Pull complete
6c2f4c63521d: Download complete
6c2f4c63521d: Pull complete
76fc765fd3b0: Pull complete
cd835559902a: Download complete
cd835559902a: Pull complete
55cb0d6285fe: Verifying Checksum
55cb0d6285fe: Download complete
55cb0d6285fe: Pull complete
Digest: sha256:4870c12cd2ca986de501a804b4f506ad3875a0b1874940ba0a2c7f763f1855b2
Status: Downloaded newer image for nginx:alpine
--> 2a855eac5070
Step 2/3 : COPY index.html /usr/share/nginx/html/index.html
--> e13935559375
Step 3/3 : EXPOSE 80
--> Running in e0de834d68b1
--> Removed intermediate container e0de834d68b1
--> c1923ce5bb21
Successfully built c1923ce5bb21
Successfully tagged mydetails-app_web-profile:latest
WARNING: Image for service web-profile was built because it did not already exist. To rebuild this image you must use `docker-compose build` or `docker-compose up --build`.
Creating mydetails-app_web-profile_1 ... done
ubuntu@ip-172-31-43-17:~/mydetails-app$
```

```
ubuntu@ip-172-31-43-17:~/mydetails-app$ docker ps -a
CONTAINER ID        IMAGE               COMMAND                  CREATED             STATUS              PORTS
STATUS            PORTS
2dabf2032aff      mydetails-app_web-profile   "/docker-entrypoint..."   4 minutes ago
Up 4 minutes       0.0.0.0:8080->80/tcp, [::]:8080->80/tcp   mydetails-app_web-profile_1
ubuntu@ip-172-31-43-17:~/mydetails-app$ |
```

6. Open Website in Browser



Professional Profile

Name: Dugyala Raveli

Role: DevOps Engineer

Status: Running in Docker on EC2!

Website showing my details that given in index.html file. hence website working fine.