Docker Image-Apache3

We want to host a html website

Create a Ubuntu 22.04 Server, Log into the server.

```
1  #linuxadmin
2  sudo su -
3
4  #root
5  mkdir website
6
7  # Navigate to the directory
8  cd website
```

```
1  # Download the html website from here:
2  wget https://www.free-css.com/assets/files/free-css-templates/download/page289/bluene.zip
```

```
1  # Install unzip
2  sudo apt-get install unzip
```

```
1  # Unzip the files
2  unzip bluene.zip
```

Create a Dockerfile:

```
1  nano Dockerfile
```

```
1  FROM ubuntu
2  RUN apt update
3  RUN apt install -y apache2
4  RUN apt install -y apache2-utils
5  RUN apt clean
6  COPY ./bluene-html/ /var/www/html
7  EXPOSE 80
8  CMD ["apache2ctl", "-D", "FOREGROUND"]
```

Build Dockerfile:

```
1  docker build -t teachmycloud/website .
```

Push this Image to Dockerhub:

```
1  docker login
2  teachmycloud
3  ************
4  Login Successful
5
6  docker push teachmycloud/website
```

Verify the Image:

```
docker images
```

```
1
```

Run any current containers (Optional):

```
1  # Safe side delete any existing containers, becase they might be already using Port 80
2  docker rm $(docker ps -aq)
3
4  # To delete all Images use
5  docker rmi -f $(docker images)
```

```
1  docker run --name myapache -d -p 80:80 apache:3.0
```

Verify if the container is running:

```
1  root@ubuntu22:~/apache3# docker ps -a
2  CONTAINER ID    IMAGE        COMMAND               CREATED        STATUS        PORTS
3  419a705e19ac    apache:3.0   "apache2ctl -D FOREG…"  5 seconds ago  Up 4 seconds  0.0.0.0:80->80/tcp, :::80->80
```

Access the website:

http://51.142.252.242/