Your supermarket company has a simple web service built on nginx that serves a static list of fresh fruit available in their stores. They want to run this service as a Docker container in their new swarm environment, but first they need you to build a Docker image for this service.

On this repo (https://github.com/satyensingh/full-docker-training-16-Z-Assignment1.git), you will find the files needed to create the image. Create a Dockerfile to define the image according to the provided specifications, then test the image by running a container in detached mode and verifying that you can access the fresh fruit data from the application.

The image should meet the following specifications:

1. Use Nginx tag 1.15.8 as the base image.

2. Add the static fresh fruit data to the image so that it will be served by the Nginx server. The data file is located on the server at static/fruit.json under the project directory. Add this file to the image at the location /usr/share/nginx/html/fruit.json.

3. Add the nginx configuration file. This file is located on the server in the project directory and is called nginx.conf. Add this file to the image at /etc/nginx/nginx.conf.

4. The image should expose port 80.

5. Use the following as the default command: nginx -g daemon off;.

6. Build the image with the tag fruit-list:1.0.0

Once you have built the image you should be able to test it by running it as a container:

docker run --name fruit-list -d -p 8080:80 fruit-list:1.0.0

Verify that the container serves the required data by making a request to it on port 8080. If everything is set up correctly, you should get a JSON list of fruits.

curl localhost:8080

[NOTE: Write the series of commands to achieve above in this file below the question scenario with documentation]

Create a Dockerfile to define the image and build it.

Change to the project directory and create a Dockerfile.

cd ~/fruit-list

vi Dockerfile

Build a Dockerfile that meets the provided specifications.

FROM nginx:1.15.8

ADD static/fruit.json /usr/share/nginx/html/fruit.json

ADD nginx.conf /etc/nginx/nginx.conf

EXPOSE 80

CMD ["nginx", "-g", "daemon off;"]

Build the image.

docker build -t fruit-list:1.0.0 .

Run a container with the image in detached mode and verify that it works.

Run a container in detached mode using the newly-created image.

docker run --name fruit-list -d -p 8080:80 fruit-list:1.0.0

Make a request to the container and verify that you get some JSON with a list of fruits.

curl localhost:8080