**Project Title: Deploy Angular Application in Docker Container**

**Note: This is a solution document on how the demonstration is performed on Docker 18. + Version.**

Install Angular application on Ubuntu by running the commands mentioned below:

sudo apt-get update

curl -sL https://deb.nodesource.com/setup\_10.x | sudo -E bash -

apt-get install -y nodejs

npm install -g @angular/cli

ng new myAng-app

cd myAng-app

Navigate inside the project, and create a Dockerfile.

vi Dockerfile

Now add the following content to it.

# base image

FROM node:11

# set working directory

RUN mkdir /usr/src/app

WORKDIR /usr/src/app

# add `/usr/src/app/node\_modules/.bin` to $PATH

ENV PATH /usr/src/app/node\_modules/.bin:$PATH

# install and cache app dependencies

COPY package.json /usr/src/app/package.json

RUN npm install

RUN npm install -g @angular/cli@1.7.1

# add app

COPY . /usr/src/app

# start app

CMD ng serve --host 0.0.0.0

Create another “dockerignore” file.

touch .dockerignore

Write the following content in it:

node\_modules

.git

Build and tag the docker image.

docker build -t myangularapp .

Exit the execution of application, and now run the Angular application in docker detach mode.

docker run -d -p 4200:4200 myangularapp

Now, open the browser, and you should be able to run the application in the browser by navigating to the URL mentioned below.

<http://localhost:4200>

You will be able to load the Angular application page in your browser.

Now, check if the container is running.

docker images