Module 9: Testing and Application Deployment Using Angular

Demo Document 2: Deploying Angular Application

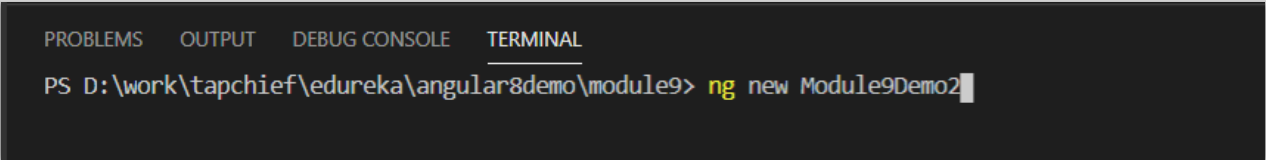# edureka!

Deployment of Angular 8 project using nginx and docker

In this demo, we will see how to deploy Angular 8 app using nginx and docker image

Step 1: create new project using command 'ng new Module9Demo2' .

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL
PS D:\work\tapchief\edureka\angular8demo\module9> ng new Module9Demo2
```
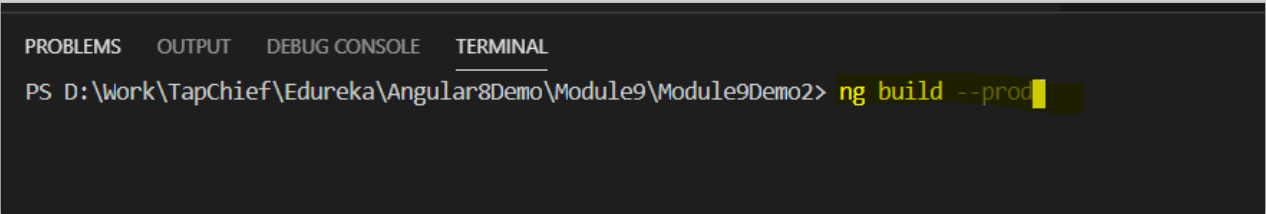
Step 2: This will create sample angular 8 app

Now we will deploy this using docker image and nginx.

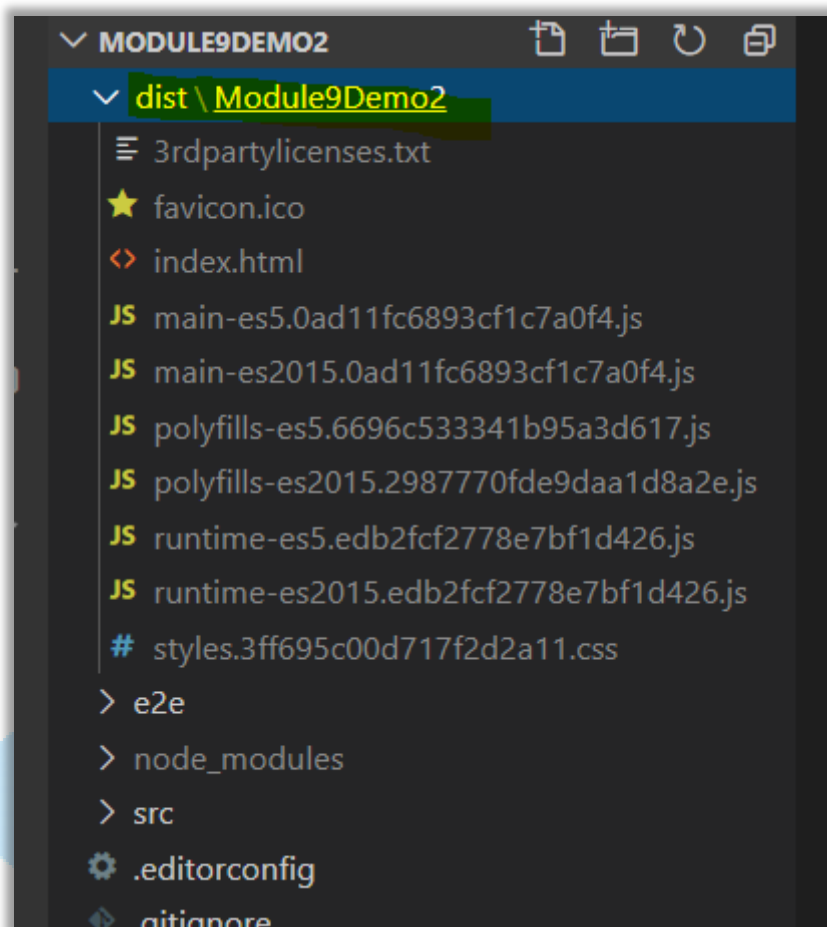Below are some steps performed by docker file.

- Install Ngnix inside the Docker image using the FROM command

- Remove the default HTML files inside Nginx installed on Docker.

- Copy contents of the dist folder to an HTML folder inside Nginx.

- Start Docker

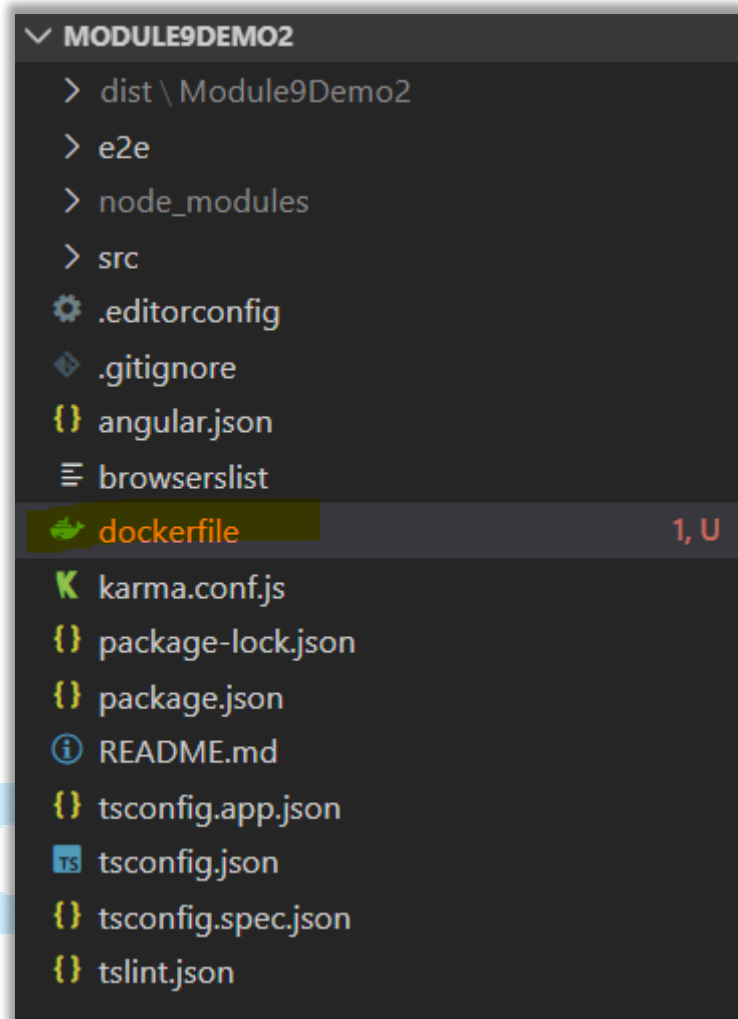**Step 3-** First build the app using below command.

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL
PS D:\Work\TapChief\Edureka\Angular8Demo\Module9\Module9Demo2> ng build --prod
```

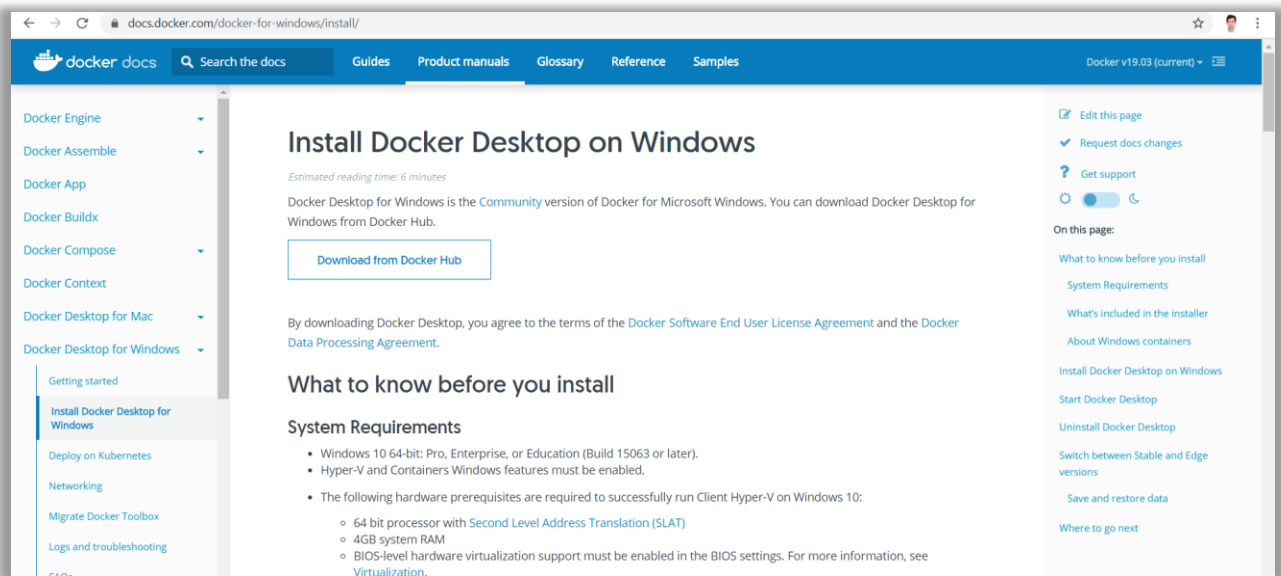**Step 4** – Build command will create dist folder as below.

Step 5- Right click on angular app and create new docker file and name it as dockerfile

Step 6- Copy below code to dockerfile

```
FROM nginx:1.17.7-alpine
## Remove default nginx website
RUN rm -rf /usr/share/nginx/html/*
## From 'builder' stage copy over the artifacts in dist folder to default nginx pu
blic folder
COPY /dist /usr/share/nginx/html
CMD ["nginx", "-g", "daemon off;"]
```

Step 7- Install docker for windows from docker website https://docs.docker.com/docker-for-windows/install/

Step 8- Now build docker image using below commands

docker build -t angulardockertest

Step 9- Now run docker image using command

docker run -p 80:80 --name angulardockertest angulardockertest