Creating a Docker image to run the simple message.

Dockerfile

FROM busybox

CMD ["echo","Welcome to Simple Docker Example"]

docker build -t my-busybox-batch7 . -f Dockerfile

after created image verify the images

then

run the image using command as

Docker run imageName/imageId

Creating image to run the Java program

App.java

public class App {

public static void main(String args[]){

System.out.println("Welcome to Simple Java Programming running through Docker");

}

}

**Dockerfile**

FROM openjdk:8

COPY App.java .

RUN javac App.java

CMD ["java","App"]

Creating image to run the Spring boot application

First create the spring boot application

Then write the code in side project base upon our requirement

Then create the jar file for the spring boot project (open the command in the location where pom.xml file present and then run the command as mvn package). It will create the jar file inside a target folder.

Dockerfile

FROM openjdk:11

COPY ./target/SpringBootWithDocker.jar .

CMD ["java","-jar","SpringBootWithDocker.jar"]

docker build -t my-spring-batch7 . -f Dockerfile

docker run –d –p 8282:8080 imageName/imageId

<http://localhost:8383/docker/sayHello>

docker ps

or

docker container ls

these command is use to find the running container in our application.

docker ps –a : this command is use to display all container (it may be running or stopped)

docker stop containerId

docker start containerId

docker rm containerId

docker rm 47b6b6cc5200 –f : This command is use to remove the container force full when running container is running

docker rmi imageId : this command is use to remove the image

create new angular project with some name as

angular-with-docker

no routing

styling – css

Write simple message in angular project

We will create the image for angular project with nginx server (engine – x server ) and we will deploy or publish this image in docker hub account we you can pull my image as well as I can pull your images.