**Docker Container.**

\*\*\*\*\*How to run mysql image. / working with mysql.

docker run --name test1 -p 3306:3306 -e MYSQL\_ROOT\_PASSWORD=admin -d mysql

docker exec -it test1 mysql -uroot -padmin

docker start test1 🡪 start cantainer

docker stop test1 ->stop container

How to display container list

Docker container ls -> show all running container

Docker container ls -a -> show all running and stop container

How to display images

Docker images -> show images local system.

**Creating docker image using spring boot maven plugin**

**Need to add some configuration in POM.**

<build>

<plugins>

<plugin>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-maven-plugin</artifactId>

**<configuration>**

**<image>**

**<name>deepakarya0155/t2-dockermysqlexample:0.0.1-SNAPSHOT</name>**

**</image>**

**<pullPolicy>IF\_NOT\_PRESENT</pullPolicy>**

**</configuration>**

</plugin>

</plugins>

</build>

Maven command to generate build :

mvn spring-boot:build-image -DskipTests

**Docker componse :**

Step 1. Create docker-compose.yaml file.

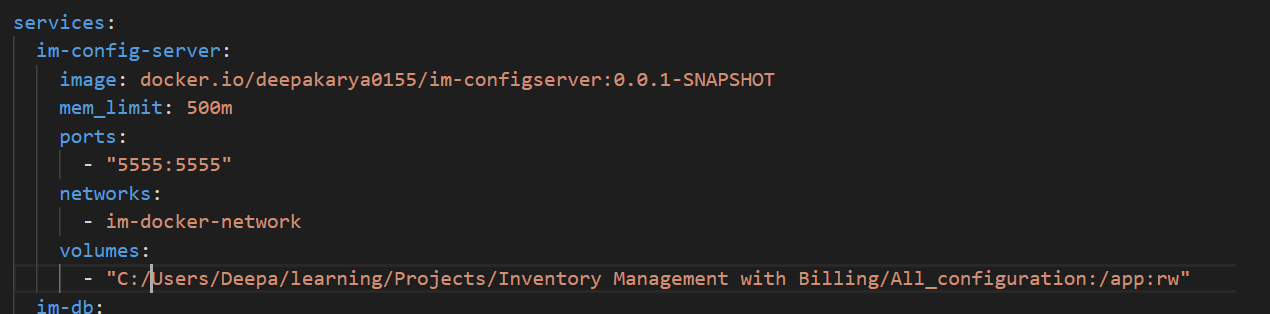


Step 2. Open power shall and cd where you dockercompos.yaml file present

$ docker-compose up

### How to mount a point to docker container with read & write.

In YAML file under service



How to run keycloak server docker image.

docker run -p 8080:8080 -e KEYCLOAK\_USER=admin -e KEYCLOAK\_PASSWORD=admin quay.io/keycloak/keycloak:14.0.0

How to create angular docker image



# >docker build --rm -t deepakarya0155/angularriskmanager:latest .

Copy from docker to local and viaverse

From local to container

docker cp "C:\Users\Deepa\learning\DOC\DOC\notes\Java Interview Prepartions" microservicemonitoring\_prometh1\_1:"/etc/prometheus/"

form container to local

docker cp microservicemonitoring\_prometh1\_1:"/etc/prometheus/prometheus.yml" "C:\Users\Deepa\learning\DOC\DOC\notes\Microservice monitoring\app1"

Docker compose file for keyclock and mysql server :

