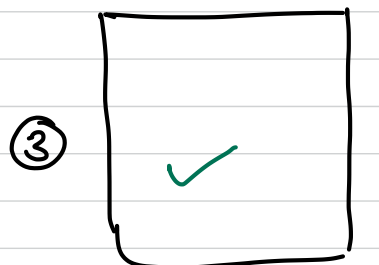
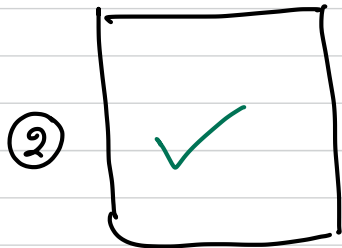


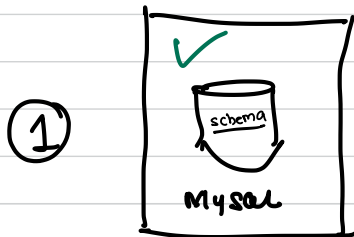
Docker Images



frontend
(angular)



backend
(Express)



Database
(MySQL)

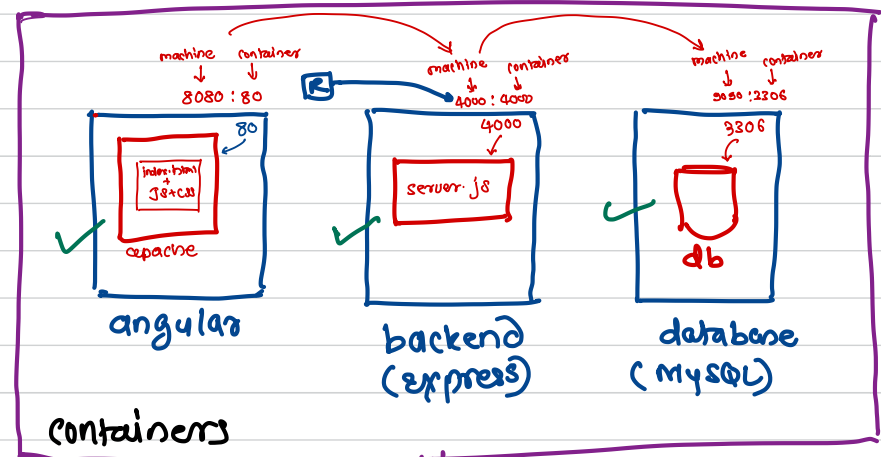
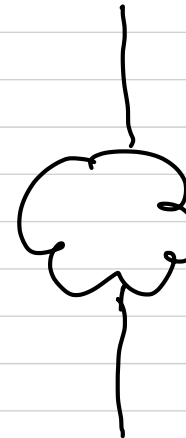
docker image push <>

docker image push <>

docker image tag <old name> <new name>
docker image push <>



Docker Hub



custom image always needs a base image

To build an image

① create a file Dockerfile

② add required instructions

FROM : base image

ENV : set environment variable

COPY : used to copy file from local machine to container

ADD : used to copy file from local machine to container

EXPOSE : used to expose port from container

CMD : used to execute command when container starts

③ build the image

> docker image build . -t <image name>

Database image

① database: MySQL \rightarrow Base Image [Docker Hub]

② database schema

- \rightarrow tables
- \rightarrow store procedures
- \rightarrow views
- \rightarrow functions

③ environment variables

- \rightarrow MYSQL_ROOT_PASSWORD
- \rightarrow MYSQL_DATABASE

