Docker https://www.youtube.com/watch?v=Rt5G5Gj7RP0&feature=youtu.be

1. <https://www.youtube.com/watch?v=Rt5G5Gj7RP0&feature=youtu.be>
2. To creare jar :maven build->goal as package
3. To run jar : go to project director till target folder and use this cmd

java -jar target\docker-in-5-steps-todo-rest-api-h2-1.0.0.RELEASE.jar

1. <https://www.simplilearn.com/docker-tutorial-article>
2. To run jar we need some prerequits like jdk, etc
3. To make it easy, use container which contains jar along with softwares required to run jar. This makes easy to run jar on other systems than vm(virtual machines)
4. Manually create a new docker image
   1. <https://github.com/in28minutes/docker>
5. Openjdk:8 is image used to run java application(base image)
   1. docker run -dit openjdk:8-jdk-alpine
      1. get image from docker remote reposity and run container
6. copy application jar to openjdk container using cmd
   1. docker container cp target/docker-in-5-steps-todo-rest-api-h2-1.0.0.RELEASE.jar containername/id :/tmp
7. to check,list all files in tmp using cmd
   1. docker container exec containername/id ls /tmp
8. create new image (here base image in openjdk, we are using openjdk container with jarfile added into it)
   1. docker container commit basecontainer imagename(to be created):v1
9. to run jar on this image
   1. docker container commit --change='CMD ["java","-jar","/tmp/docker-in-5-steps-todo-rest-api-h2-1.0.0.RELEASE.jar"]' vibrant\_jones firstimage:v2