* Install docker toobox for windows
* CREATE MYSQL container:
  + Open docker quickstart terminal and type
    - Docker pull mysql:5.6
    - This will download mysql image from dockerhub
  + $ docker run --name mysql-standalone -e MYSQL\_ROOT\_PASSWORD=password -e MYSQL\_DATABASE=springpoc -e MYSQL\_USER=Rohan -e MYSQL\_PASSWORD=password -d mysql:5.6
* CREATE SPRING BOOT CONTAINER:
  + Set application.properties as below:

spring.datasource.url = jdbc://mysql-standalone:3306/springpoc

spring.datasource.username = Rohan

spring.datasource.password = password

#Keep the connection alive if idle for a long time (needed for production)

spring.datasource.testWhileIdle = true

spring.datasource.validationQuery = SELECT 1

#Show sql

spring.jpa.show-sql = true

#Hibernate ddl auto

spring.jpa.hibernate.ddl-auto = update

#Naming strategy

spring.jpa.hibernate.naming-strategy = org.hibernate.cfg.ImprovedNamingStrategy

#The SQL dialect makes hibernate generate better sql for the chosen

spring.jpa.properties.hibernate.dialect = org.hibernate.dialect.MySQL5Dialect

* + server.port = 8086
* In pom.xml add configuration:

<plugin>

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

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

<configuration>

<finalName>users-mysql</finalName>

</configuration>

* + </plugin>
* Create a jar file of the project and put in the folder named ‘target’
* Create a docker file:

FROM openjdk:8

ADD target/users-mysql.jar users-mysql.jar

EXPOSE 8086

* + ENTRYPOINT ["java","-jar","users-mysql.jar"]
* docker build . -t users-mysql where the dockerfile is
* Run the container:
  + Docker run -p 8086:8086 –name users-mysql –link mysql-standalone:mysql -d users-mysql
* RDS CONNECTION:
  + Download and paste hicari cp dependency
  + Add jdbc dependency
  + User: Rohan
  + Password: Rohan9841