Title: Building and running Spring Boot application in Docker with couple of services using docker-compose?
Post Body:

I have simple Spring Boot application which has few other dependencies/services which it uses. It is student-demo project so nothing big, I'm just testing things out and thus I'm new to Docker.

First off, my application uses three different services: MySQL, RabbitMq (to send some dummy messages to other Spring app), Liquibase to initialize tables and insert data.

Application builds fine after mvn clean and mvn install. But the goal is to start it from cmd using Docker compose. This is my 2nd day with Docker.

Here is how Dockerfile looks like:

```
FROM openjdk:8 ADD target/Consumer-0.0.1-SNAPSHOT.jar Consumer-0.0.1-SNAPSHOT.jar EXPOSE 8085 ENTRYPOINT ["java", "-jar", "Con
```

And here is docker-compose.yml:

```
version: '3'  services:    #service 1: definition of mysql database    db:       image: mysql:latest      container_name: m
```

After cd into project directory and running docker-compose ps:

My question is, what am I missing, do I need to add some more things to Dockerfile? Is the syntax correct in .yml? I'm running windows and have Docker Desktop installed.

UPDATE 1 After executing command docker-compose up, I noticed it started downloading image for liquibase and mysql (it took couple of minutes). After that I got an error.

```
Removing mysql-db2 Recreating f7bf19092bb4_mysql-db2 ... Recreating f7bf19092bb4_mysql-db2 ... error      ERROR: for f7bf19092
```

I continued to get same error, even after I set ports section to 3306:3307, and 3307:3307 and setting SPRING_DATASOURCE_URL: jdbc:mysql://mysql-db:3307/consumer?createDatabaseIfNotExist=true

Accepted Answer: None
Highest Rated Answer:

Try to kill all the processes using port 3306:

```
sudo kill `sudo lsof -t -i:3306`
```

Then, run your docker containers:

```
`sudo docker-compose up`
```

or else

change ports: -3306:3306 to ports: -3307:3306 in your docker-compose file and then run the below command again:

```
docker-compose up
```