***Deploying Spring-boot application using Docker***

1. Create a maven based spring-boot project & make sure you have added below plugin in pom.xml to create executable jar file:

*<build>*

*<plugins>*

*<plugin>*

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

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

*<executions>*

*<execution>*

*<goals>*

*<goal>repackage</goal>*

*</goals>*

*<configuration>*

*<mainClass>*

*com.spring.SpringRestDemo.App*

*</mainClass>*

*</configuration>*

*</execution>*

*</executions>*

*</plugin>*

*</plugins>*

*</build>*

Change your <mainClass> value as per requirement.

1. Make sure your have written below Dockerfile at the location same as pom.xml:

FROM openjdk:8

ADD target/SpringRestDemo-0.0.1-SNAPSHOT.jar myapp.jar

ENTRYPOINT ["java", "-jar", "myapp.jar"]

EXPOSE 9999

1. Open console & cd to pom.xml file location.
2. Run “mvn install” command. It will create an executable jar file inside ‘target’ directory.
3. Test this executable jar by running “java –jar SpringRestDemo-0.0.1-SNAPSHOT.jar”. It should start the tomcat container on port 8080 & make sure you get correct response when hit <http://localhost:8080/myapp/order?orderId=25>