Goal: Deploy a war file on tomcat server which connects to MySql database

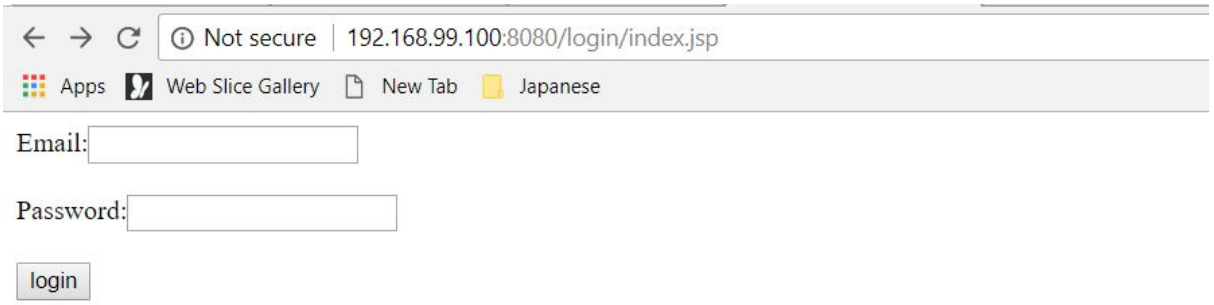
Components:
Tomcat
MySQL

Deployables:
login.war
schema.sql

Launching Tomcat with War file:
Create Dockerfile for tomcat server as present in Intermediate directory.

Build image: docker build -t tom .
Tag the image: docker tag tom USERNAME/javaapp:db
Push the image to dockerhub: docker push USERNAME/javaapp:db

Test your application without database by running the image:
docker run -p 8080:8080 tom



Launching MYSQL Server:
Create Dockerfile for MySQL server as present in DB directory.

Follow same steps as tomcat application

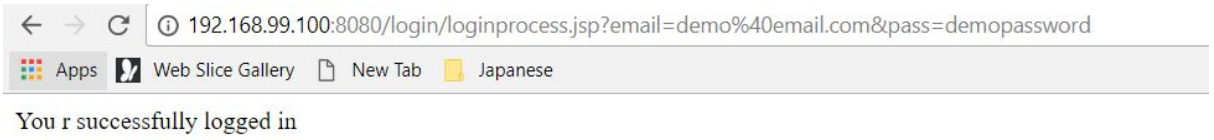
Test your database without java application in front (db1 is the name of image):
docker run -p 3306:3306 db1

docker exec -it CONTAINER_NAME bash
mysql -uroot -pchangeme
Use test
select * from user432;

If data is present in table you are good to go.

Running the application in a cohesive manner:
Create docker-compose.yml file as present in intermediate directory. The file can be used as it is as well, it contains repositories which are public.
Wait for 5 minutes for the whole thing to load.

Credentials to test are: 'demo@email.com', 'demopassword'



This completes your application connected with database.