

## RDS Assignment-2

Deploying war on one apache container and creating another container for mysql database and have integration between database and application

```
docker network create shailesh
docker run -it --network shailesh --rm mysql mysql -h mysql1 -u admin -p
docker run --name mysql1 --network shailesh -e MYSQL_ROOT_PASSWORD=root -d mysql
docker ps -a
docker exec -it mysql1 bash
docker ps -a
docker commit -p mysql sdmdemo/mysql
docker commit -p mysql1 sdmdemo/mysql
```

```
docker run --name mysql1 --network shailesh -e MYSQL_ROOT_PASSWORD=root -d
sdmdemo/mysql
```

```
docker run -dp 8090:8080 --network=shailesh --name server myapache:1.0
```

```
FROM tomcat:9.0
RUN apt-get update && apt-get install -y mysql-client
COPY project/target/LoginWebApp.war /usr/local/tomcat/webapps/LoginWebApp.war
EXPOSE 8080
CMD ["catalina.sh", "run"]

~
~
```

```
[root@ip-172-31-40-161 mnt]# docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAME
S e10004b0245f	myapache:1.0	"catalina.sh run"	9 minutes ago	Up 9 minutes	0.0.0.0:8090->8080/tcp, :::8090->8080/tcp	serv
er 8e0c222fddca	sdmdemo/mysql	"docker-entrypoint.s..."	22 minutes ago	Up 22 minutes	3306/tcp, 33060/tcp	mysql1

Instances | EC2 | ap-south-1 x Registration x +

← → ↻ ⚠ Not secure 13.234.240.70:8090/LoginWebApp/register.jsp

Enter Information Here	
First Name	<input type="text" value="shailesh"/>
Last Name	<input type="text" value="ghuge"/>
Email	<input type="text" value="ghuge2shailesh@gmail.com"/>
User Name	<input type="text" value="shailesh"/>
Password	<input type="password" value="*****"/>
<input type="button" value="Submit"/>	<input type="button" value="Reset"/>
Already registered!! <a href="#">Login Here</a>	

Instances | EC2 | ap-south-1 x 13.234.240.70:8090/LoginWebA x +

← → ↻ ⚠ Not secure 13.234.240.70:8090/LoginWebApp/welcome.jsp

Registration is Successful. Please Login Here [Go to Login](#)

```

[root@ip-172-31-40-161 mnt]# docker exec -it mysql1 bash
bash-5.1# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 9.0.0 MySQL Community Server - GPL

Copyright (c) 2000, 2024, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use test;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_test |
+-----+
| USER            |
+-----+
1 row in set (0.01 sec)

mysql> select * from USER;
+-----+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | email | username | password | regdate |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | shailesh | ghuge | ghuge2shailesh@gmail.com | shailesh | shailesh | 2024-07-20 |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

```