# DevOps Assignment 2 Santhosh L Roll no. 205224020

#### Question 1:

A.Create a Container with PostgresDB or mySQL database installed

## 1) Pull mysql

```
C:\Users\lsant>docker pull mysql
Using default tag: latest
latest: Pulling from library/mysql
9451290759df: Pull complete
aa8a3958f09f: Pull complete
2275c0ff11a0: Pull complete
2792ea2d4e0e: Pull complete
84e4e5ea3754: Pull complete
634d7076afe3: Pull complete
634d7076afe3: Pull complete
634d7076afe9: Pull complete
634d7076afe3: Pull complete
bigas1e9a869e: Pull complete
fa811e9a869e: Pull complete
Urae982daa21: Pull complete
Digest: sha256:7839322bd6c3174a699586c3ea36314c59b61b4ce01b4146951818b94aef5fd7
Status: Downloaded newer image for mysql:latest
docker.io/library/mysql:latest
```

# 2) Run the image

C:\Users\lsant>docker run --name some-mysql -e MYSQL\_ROOT\_PASSWORD=my-secret-pw -d mysql:latest 5af6ea98a1b90ffe42a1838132c285c8e906414ac3211add6bbb3c89d0002255

C:\Users\lsant>docker ps						
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
5af6ea98a1b9	mysql:latest	"docker-entrypoint.s"	46 seconds ago	Up 45 seconds	3306/tcp, 33060/tcp	some-mysql

### 3)execute mysql

```
C:\Users\lsant>docker exec -it my-mysql mysql -uroot -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 9.3.0 MySQL Community Server - GPL

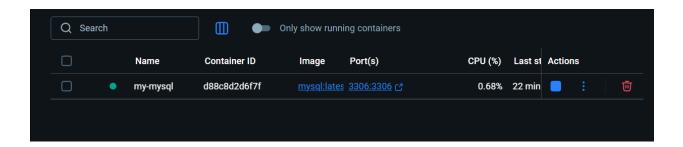
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

#### Docker dashboard and Table creation:



```
mysql> CREATE DATABASE my_database;
Query OK, 1 row affected (0.130 sec)
mysql> USE my_database;
Database changed
mysql> CREATE TABLE users (
           id INT AUTO_INCREMENT PRIMARY KEY,
    ->
           name VARCHAR(100),
           email VARCHAR(100)
    ->
-> );
Query OK, 0 rows affected (0.089 sec)
mysql> SHOW TABLES;
 Tables_in_my_database
 users
1 row in set (0.009 sec)
mysql> DESCRIBE users;
 Field | Type
                         Null | Key | Default |
                                                 Extra
 id
          int
                         NO
                                PRI
                                      NULL
                                                 auto_increment
                         YES
          varchar(100)
                                       NULL
 name
         varchar(100)
                         YES
                                       NULL
 email
3 rows in set (0.031 sec)
mysql>
```