**1. Run MySQL container with named volume**

docker run -d \

--name task2 \

-e MYSQL\_ROOT\_PASSWORD=nithish123 \

-e MYSQL\_DATABASE=testdb \

-v mydbdata:/var/lib/mysql \

-p 3306:3306 \

mysql:latest

**2. Verify container is running**

docker ps

**3. Enter MySQL shell inside container**

docker exec -it task2 mysql -u root -p

**Enter password:**nithish123

**4. Create a table and insert data**

USE testdb;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(50)

);

INSERT INTO users (name) VALUES ('Nithish'), ('Bob');

SELECT \* FROM users;

**5. Exit MySQL shell**

exit;

**6. Stop and remove the container**

docker stop task2

docker rm task2

**7. Re-run the container with same volume**

docker run -d \

--name task2 \

-e MYSQL\_ROOT\_PASSWORD=nithish123 \

-e MYSQL\_DATABASE=testdb \

-v mydbdata:/var/lib/mysql \

-p 3306:3306 \

mysql:latest

**8. Reconnect and verify data is still there**

docker exec -it task2 mysql -u root -p

**Then:**

USE testdb;

SELECT \* FROM users;