🗄 MYSQL / MARIADB – COMMAND CHEAT SHEET

◇ Login / Connect

📍 From Linux shell:

```
mysql -u root -p
mysql -h <endpoint> -u admin -p --ssl
```

◇ Show Info

```
SHOW DATABASES;
SHOW TABLES;
SELECT DATABASE();
```

◇ Create Database

```
CREATE DATABASE demo;
USE demo;
```

◇ Create Table

```
CREATE TABLE users (
  id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(50),
  email VARCHAR(50)
);
```

◇ Insert Data

```
INSERT INTO users (name,email) VALUES
('Alice','alice@test.com'),
('Bob','bob@test.com');
```

◇ Read Data

```
SELECT * FROM users;
SELECT * FROM users WHERE name='Alice';
```

◇ Update Data

```
UPDATE users SET email='alice@new.com' WHERE name='Alice';
```

◇ Delete Data

```
DELETE FROM users WHERE name='Bob';
```

◇ Backup (Dump)

📍 Linux shell:

```
mysqldump -u root -p demo > backup.sql
mysqldump -h <endpoint> -u admin -p --ssl demo > backup.sql
```

◇ Restore

📍 Linux shell:

```
mysql -u root -p demo < backup.sql
mysql -h <endpoint> -u admin -p --ssl demo < backup.sql
```

◇ User & Privileges

```
CREATE USER 'appuser'@'%' IDENTIFIED BY 'password';
GRANT ALL PRIVILEGES ON demo.* TO 'appuser'@'%';
FLUSH PRIVILEGES;
```

◇ Exit

```
EXIT;
```

🧠 INTERVIEW ONE-LINERS

Task	Command
List DBs	SHOW DATABASES;
Use DB	USE demo;
Backup	mysqldump
Restore	mysql < backup.sql
Read data	SELECT * FROM table;
HA	Multi-AZ
Scaling	Read replica

🔑 GOLDEN RULE

Do in Shell	Do in MariaDB
Install DB	CREATE / SELECT
Backup	INSERT / UPDATE
Connect	DROP TABLE