

## MySQL Basic Commands - Cheat Sheet

### 1. Login to MySQL

-----  
mysql -u root -p

### 2. Database Operations

-----  
CREATE DATABASE test\_db;  
SHOW DATABASES;  
USE test\_db;  
DROP DATABASE test\_db;

### 3. Table Operations

-----  
CREATE TABLE users (  
 id INT AUTO\_INCREMENT PRIMARY KEY,  
 name VARCHAR(50),  
 email VARCHAR(100)  
);  
SHOW TABLES;  
DESCRIBE users;  
RENAME TABLE users TO members;  
DROP TABLE users;

### 4. Insert Data

-----  
INSERT INTO users (name, email) VALUES ('Siva', 'siva@example.com');

### 5. Query Data

-----  
SELECT \* FROM users;  
SELECT name, email FROM users;  
SELECT \* FROM users WHERE id = 1;  
SELECT \* FROM users WHERE name LIKE 'S%';

### 6. Update & Delete

-----  
UPDATE users SET email = 'new@example.com' WHERE id = 1;  
DELETE FROM users WHERE id = 1;

### 7. Alter Table

-----  
ALTER TABLE users ADD age INT;  
ALTER TABLE users MODIFY age VARCHAR(3);  
ALTER TABLE users CHANGE age user\_age INT;  
ALTER TABLE users DROP COLUMN user\_age;

### 8. Constraints Example

-----  
CREATE TABLE items (  
 id INT PRIMARY KEY,  
 name VARCHAR(100) NOT NULL,

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    price DECIMAL(10,2) DEFAULT 0.00,  
    code VARCHAR(20) UNIQUE  
);
```

#### 9. JOIN Example

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```
SELECT users.name, orders.amount  
FROM users  
JOIN orders ON users.id = orders.user_id;
```

#### 10. Exit MySQL

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```
exit;
```