

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,
```

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

```
) ;
```

9. JOIN Example

```
-----
```

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

10. Exit MySQL

```
-----
```

```
exit;
```