




Home

 Home

Learning Modules


 Basic Queries

 **DDL Commands**

 DML Operations

 DCL Controls


 TCL Management

 Aggregate Functions


Tools

 SQL Query Editor


 Quick Links


 Documentation

 Tips & Tricks

 Learning Path

MySQL Handbook v2.0

Built with  using Streamlit

 Database Tips:



# MySQL Handbook

*Complete Guide to MySQL Database*



## Data Definition Language (DDL)

Learn to create, modify, and manage database structures with MySQL DDL operations.



**Database Operations**



Table Operations



Indexes & Constraints



Storage Engines



Practice Lab



## Database Operations

### Creating and Managing Databases

Create Database:

```
CREATE DATABASE ecommerce_db
CHARACTER SET utf8mb4
COLLATE utf8mb4_unicode_ci;
```

Alter Database:

```
ALTER DATABASE ecommerce_db
CHARACTER SET utf8mb4
COLLATE utf8mb4_general_ci;
```

Drop Database:

```
DROP DATABASE IF EXISTS old_database;
```

Show Databases:

```
SHOW DATABASES;
SHOW CREATE DATABASE ecommerce_db;
```

## Interactive Database Builder

Create Database Interactive Tool



Database Name:

my\_database

Character Set:

utf8mb4



Collation:


utf8mb4\_unicode\_ci



Generate CREATE DATABASE Statement

Database Information:

	name	created	size_mb
0	ecommerce_db	2024-01-15	245
1	inventory_db	2024-02-10	128
2	customer_db	2024-03-05	89

 **Remember:** DDL operations can't be rolled back in most cases. Always backup before making structural changes!