📘 Guide: SQL & NoSQL Command Reference

This guide provides a complete reference for custom SQL-like and NoSQL command structures supported in your `sql.py` and `nosql.py` systems. Each section contains syntax formats and working examples.  
  
Use this as a cheat sheet or onboarding manual for database command usage.

# Part 1: SQL Command Guide (`sql.py`)

## 🔹 CREATE DATABASE

🧾 Syntax:

create database database\_name

✅ Example:

create database mydb

## 🔹 USE DATABASE

🧾 Syntax:

use database\_name

✅ Example:

use mydb

## 🔹 REMOVE DATABASE

🧾 Syntax:

remove database\_name

✅ Example:

remove mydb

## 🔹 SHOW DATABASES

🧾 Syntax:

show databases

✅ Example:

show databases

## 🔹 SHOW TABLES

🧾 Syntax:

show tables

✅ Example:

show tables

## 🔹 MAKE TABLE

🧾 Syntax:

make table\_name (column1 TYPE, column2 TYPE, ...)  
  
Supported Types: INT, FLOAT, TEXT, TIMESTAMP

✅ Example:

make users (id INT, name TEXT, age INT, joined TIMESTAMP)

## 🔹 INCLUDE (Insert Records)

🧾 Syntax:

include table\_name (val1, val2, ...), (val1, val2, ...)

✅ Example:

include users (1, 'Alice', 25, '2024-01-01'), (2, 'Bob', 30, '2024-02-01')

## 🔹 EXCLUDE (Drop Table)

🧾 Syntax:

exclude table\_name

✅ Example:

exclude users

## 🔹 EXCLUDE (Delete All Rows)

🧾 Syntax:

exclude from table\_name

✅ Example:

exclude from users

## 🔹 EXCLUDE (Delete by Condition)

🧾 Syntax:

exclude from table\_name where field=value

✅ Example:

exclude from users where name='Alice'

## 🔹 SELECT (Retrieve Data)

🧾 Syntax:

select ALL from table\_name  
select column1, column2 from table\_name  
select column1 from table\_name where column2 = value  
select ALL from table\_name group by column  
select ALL from table\_name order by column ASC|DESC

✅ Example:

select ALL from users  
select name, age from users  
select name from users where age = 30  
select ALL from users group by age  
select ALL from users order by name desc

## 🔹 UPDATE

🧾 Syntax:

update table\_name set field\_name = new\_value where field = value

✅ Example:

update users set name = "Charlie" where id = 2

## 🔹 EXPORT

🧾 Syntax:

export database\_name as file\_name in CSV|JSON

✅ Example:

export mydb as users\_backup in CSV

## 🔹 EXIT Database

🧾 Syntax:

exit database\_name

✅ Example:

exit mydb

# Part 2: NoSQL Command Guide (`nosql.py`)

## 🔹 CREATE DATABASE

🧾 Syntax:

create database database\_name

✅ Example:

create database mynosqldb

## 🔹 USE DATABASE

🧾 Syntax:

use database\_name

✅ Example:

use mynosqldb

## 🔹 REMOVE DATABASE

🧾 Syntax:

remove database\_name

✅ Example:

remove mynosqldb

## 🔹 SHOW DATABASES

🧾 Syntax:

show databases

✅ Example:

show databases

## 🔹 SHOW TABLES

🧾 Syntax:

show tables

✅ Example:

show tables

## 🔹 MAKE TABLE

🧾 Syntax:

make table\_name

✅ Example:

make employees

## 🔹 INCLUDE (Insert Records)

🧾 Syntax:

include table\_name [{key: value, ...}, {key: value, ...}]  
  
🔸 Automatically adds an auto-incremented id field.

✅ Example:

include employees [{name: "Alice", age: 30}, {name: "Bob", age: 28}]

## 🔹 SELECT (Retrieve Data)

🧾 Syntax:

select ALL from table\_name  
select field1,field2 from table\_name  
select ALL from table\_name where field='value'  
select ALL from table\_name order by field ASC|DESC  
select ALL from table\_name group by field

✅ Example:

select ALL from employees  
select name,age from employees  
select ALL from employees where name='Alice'  
select ALL from employees order by age desc  
select ALL from employees group by age

## 🔹 UPDATE

🧾 Syntax:

update table\_name set field=value where field=value

✅ Example:

update employees set age=35 where name='Alice'

## 🔹 EXCLUDE (Drop Table)

🧾 Syntax:

exclude table\_name

✅ Example:

exclude employees

## 🔹 EXCLUDE (Delete All Rows)

🧾 Syntax:

exclude from table\_name

✅ Example:

exclude from employees

## 🔹 EXCLUDE (Delete by Condition)

🧾 Syntax:

exclude from table\_name where field=value

✅ Example:

exclude from employees where name='Bob'

## 🔹 DELETE (Specific Field or Record)

🧾 Syntax:

delete field\_name from table\_name where field=value  
  
delete from table\_name where field=value

✅ Example:

delete age from employees where name='Alice'  
delete from employees where age=30

## 🔹 COUNT

🧾 Syntax:

count table\_name

✅ Example:

count employees

## 🔹 EXIT Database

🧾 Syntax:

exit database\_name

✅ Example:

exit mynosqldb