

# SQL Command Categories Cheat Sheet

## 1. DDL - Data Definition Language

Used to define and modify the structure of database objects like tables.

Commands:

- CREATE: Create new tables or databases.
- ALTER: Modify structure of tables.
- DROP: Delete tables or databases.
- TRUNCATE: Quickly remove all data from a table (no rollback).

## 2. DML - Data Manipulation Language

Used for inserting, updating, or deleting data within tables.

Commands:

- INSERT: Add new records.
- UPDATE: Modify existing data.
- DELETE: Remove records.

## 3. DQL - Data Query Language

Used for querying information from the database.

Commands:

- SELECT: Retrieve data from one or more tables.

## 4. TCL - Transaction Control Language

Used to manage database transactions to ensure data integrity.

Commands:

- COMMIT: Save changes.
- ROLLBACK: Undo changes.

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- SAVEPOINT: Set a point to rollback to later.

## 5. DCL - Data Control Language

Used to control access to data in the database.

Commands:

- GRANT: Give privileges.
- REVOKE: Remove privileges.