

DATA MANIPULATION LANGUAGE

Structured Query Language (SQL)

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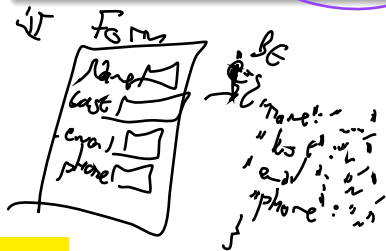
Data Manipulation Language (DML) I

DML (Data Manipulation Language) is a **subset** of **SQL** that is used to **insert**, **update**, and **delete** data in a **database**.

PostgreSQL Example — MySQL Example

```
INSERT INTO myTable (name, country)  
VALUES ('John', 'USA');
```

not null
at least



no → all in order
show describe;

```
INSERT INTO user  
(name, last, email, phone)  
VALUES ('John', 'Doe', 'john.doe@example.com', '+34 123 456 789');
```



Data Manipulation Language (DML) II

DML (*Data Manipulation Language*) is a **subset** of **SQL** that is used to **insert**, **update**, and **delete** data in a **database**.

PostgreSQL Example — MySQL Example

```
UPDATE myTable SET country = 'Canada'  
WHERE name = 'John';
```

new value

conditional

users

name	country
Ann	USA
Bob	Canada
Chloe	Peru
Dennis	USA
John	Canada

```
UPDATE users  
SET country = 'Canada';
```

users

name	country
Ann	Canada
Bob	Canada
Chloe	Canada
Dennis	Canada
John	Canada



Data Manipulation Language (DML) III

DML (*Data Manipulation Language*) is a **subset** of **SQL** that is used to **insert**, **update**, and **delete data** in a **database**.

PostgreSQL Example — MySQL Example

DELETE FROM myTable WHERE name = 'John';

DELETE FROM users;
↓
delete all rows, but
do not delete table

DELETE FROM table
WHERE id = 123; ↓ row



Thanks!

Questions?



Repo: <https://github.com/EngAndres/ud-public/tree/main/courses/databases-foundations>

