

More SQL

DATA 604

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MySQL Server and Client

MySQL server

- Houses the database
- Usually remote



MySQL client

- [mysqlsh](#) (interactive client)
- [MySQL connector](#)
- [X Dev API](#) (NoSQL)
- MySQL Workbench (Visual client)

Types of statements

SQL

- DDL (Data Definition Language)
 - CREATE
 - ALTER
 - DROP
- DML (Data Manipulation Language)
 - INSERT
 - SELECT
 - UPDATE
 - DELETE

NoSQL

- Operations on collections
- Operations on documents
 - CREATE
 - UPDATE
 - DELETE
 - READ

Expressions

SQL

- Each expression relates to whether something belongs to a set of results
 - grammar is similar to the expression you would use with a conditional in Python

NoSQL

- Expressions may be used to create identifiers or for conditions to find specific items

Additional SQL syntax for selects

- Operators for comparison
- Substring pattern matching
- Renaming (AS)
- ORDER BY
- LIMIT