

Web Development Boot Camp

Lesson 11.1





MySQL is a
**Relational
DataBase
Management
System**

MySQL: what is it?

A **R**elational **D**atabase **M**anagement **S**ystem (**RDBMS**)



`mysqld` (the server application aka daemon)



`mysql` (the command line client)



SQL (**S**tructured **Q**uery **L**anguage)

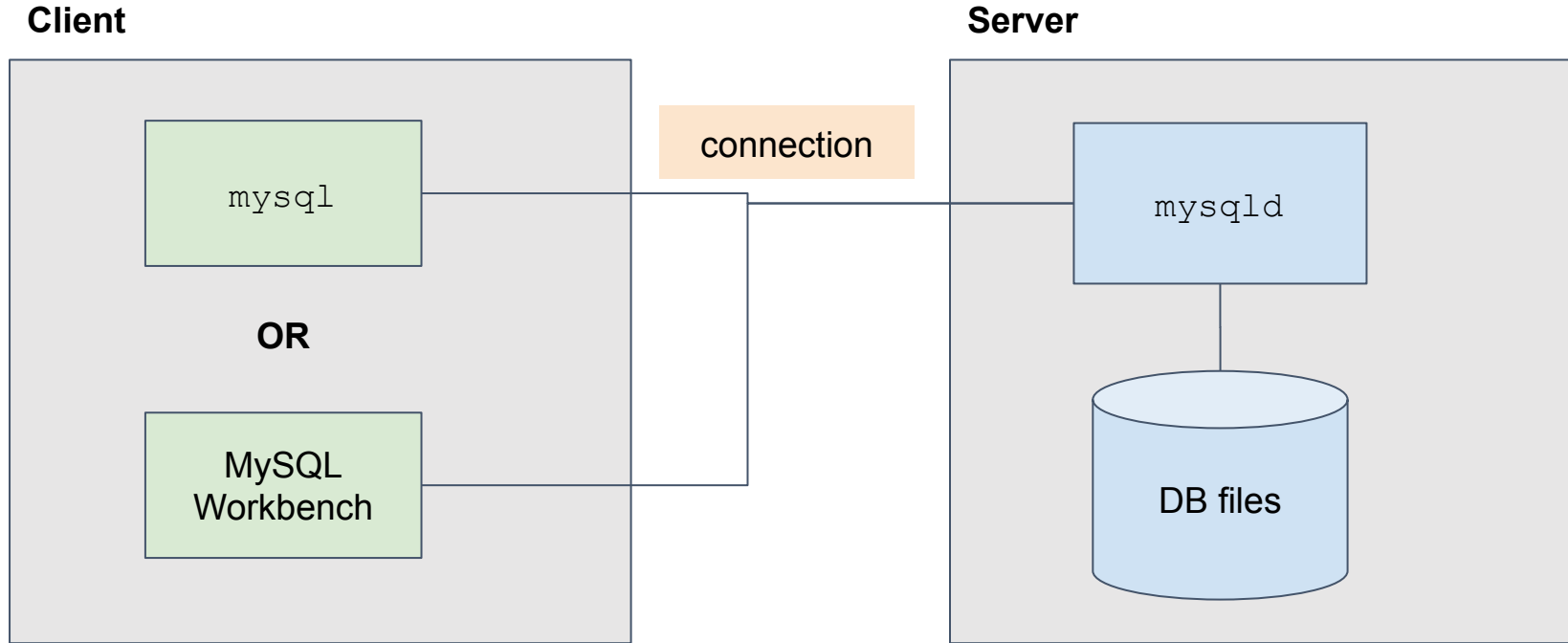


MySQL Workbench (A GUI for accessing a database)



TCP port 3306

The system



SQL - Structured Query Language

Used for two purposes

01

Data Definition

Defines a “schema”, aka “database”

- A set of tables
 - Rows (aka “records”)
 - Columns (aka “fields”)
- The fields in that table
 - Type (e.g., `INT`, `VARCHAR`)
 - Size

02

Data Manipulation

- Create a record (`INSERT`)
- Retrieve a record (`SELECT`)
- Update a record (`UPDATE`)
- Delete a record (`DELETE`)



Questions?

<Time to Code>

