

MySQL Research

For my research, I used <https://www.w3schools.com/MySQL/default.asp>

- MySQL is a relational database management system.
- It is fast, scalable, and easy to use.
- It is used by major companies such as Facebook, Twitter, Uber, GitHub and more.

Some of the most important commands are:

- SELECT: Pulls data from the database.
- UPDATE: Updates data in the database.
- DELETE: Deletes data from the database.
- INSERT INTO: Inserts data into the database.

When pulling data, you must use the following format:

- SELECT (Columns you want to select) FROM (Table you're selecting from)
- Examples:
 - o SELECT city FROM houses
 - o SELECT * from customers
 - The * means all columns.

If you want to get more specific searches, you must use the WHERE clause:

- WHERE is followed by a condition.
- It narrows the data to fit that condition.
- Examples:
 - o SELECT * FROM customers WHERE country = 'Germany'
 - o SELECT * FROM customers WHERE numberOfOrders > 5

If you want to order the data, you can use the ORDER BY keyword.

There are many different types of data you can use, including CHAR, VARCHAR, BINARY, TEXT, and ENUM. A full list can be found at:

https://www.w3schools.com/MySQL/mysql_datatypes.asp

There are also many functions that can be used in MySQL, such as CONCAT (concatenating 2 strings), LENGTH (returns the length of a string), and SUBSTRING (returns a substring from a string, starting at the given position). A full list can be found at:

https://www.w3schools.com/MySQL/mysql_ref_functions.asp