

MySQL Research - Dan

October 22, 2023 9:30 PM

- What is MySQL?
 - MySQL is an open-source RDBMS developed by Oracle Corporation.
 - It is commonly used for managing and storing data in various applications, including websites, e-commerce platforms, and content management systems.
- Key Concepts
 - Databases:
 - MySQL organizes data into databases, which act as containers for related data.
 - Users can create multiple databases within a MySQL server.
 - Tables:
 - Databases consist of tables, which are used to store structured data.
 - Each table consists of rows (records) and columns (fields).
 - SQL (Structured Query Language):
 - MySQL uses SQL for defining, manipulating, and querying data.
 - Basic SQL commands include SELECT, INSERT, UPDATE, and DELETE.
 - Data Types:
 - MySQL supports various data types, such as INT, VARCHAR, DATE, and TEXT, to specify the type of data stored in columns.
 - Data Manipulation
 - MySQL allows users to perform various operations on data, including:
 - INSERT: Adding new records to a table.
 - UPDATE: Modifying existing records.
 - DELETE: Removing records from a table.
 - SELECT: Retrieving data based on specific criteria.
 - Data Retrieval
 - Users can retrieve data from MySQL tables using SQL queries, which offer powerful filtering and sorting options.
 - The basic structure of a SELECT query includes the SELECT, FROM, and WHERE clauses.
- Sources:
 - <https://www.w3schools.com/MySQL/default.asp>