

About Program

MY SQL:

MySQL is used to manage the data of web applications, websites, and even mobile applications by sorting it into tables because of this, it is called a relational database. This popular database management system uses SQL query language to retrieve or modify the information of the database.

Introduction to MYSQL

MYSQL Installation

Database Introduction

- Creating a Database
- Creating Tables

Introduction to Data types

- String data types
- Integers
- Fixed and floating-point data types
- Other data types

About Constraints and types

- NOT NULL Constraint
- DEFAULT Constraint
- UNIQUE Constraint
- FOREIGN KEY constraint
- PRIMARY KEY constraint
- CHECK Constraint

Select Statement

- FROM
- WHERE
- AND
- OR
- IN-NOT IN
- LIKE – NOT LIKE
- BETWEEN
- ISNULL
- IS NOT NULL
- SELECT DISTINCT
- ORDER BY
- GROUP BY
- HAVING
- LIMIT

Insert Statement

- Inserting data INTO a new table

Update statement

- The UPDATE Statement
- TCL's COMMIT and ROLLBACK

Delete Statement

- The DELETE Statement
- DROP vs TRUNCATE vs DELETE

Aggregate Functions

- Count ()
- Sum ()
- Max ()
- Min ()
- Avg ()

Joins

- Introduction to JOINS
- Inner Join
- Left Join
- Cross Join
- Self Join

Subquery

- SQL Subqueries with IN nested inside WHERE
- SQL Subqueries with EXISTS-NOT EXISTS nested inside WHERE
- SQL Subqueries nested in SELECT and FROM

View

- Views

Stored Procedure

- Introduction to Stored Procedure
- Stored procedures with an input parameter
- Stored procedures with an output parameter
- Variables
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Advanced Topics

- Global Variables
- User-Defined vs System Variables
- MySQL Triggers
- MySQL Indexes
- The CASE Statement
- The ROW_NUMBER() Ranking Window Function
- The PARTITION BY Clause VS the GROUP BY Clause
- The MySQL RANK() and DENSE_RANK() Window Functions
- The LAG() and LEAD() Value Window Functions
- MYSQL Common Table Expressions
- Temp Tables

About Techehost

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