

Union

- we can combine data from two queries / multiple queries
- Is the same tables (one result set)

Set up attributes

- ✓ checking to sort string.

~ MB (Net 20)

- PI (three parent) used in primary key.

Inserting a single row

- INSERT INTO constraints

VALUES (DEFAULT, ...) → can't have duplicate values

Inserting Multiple Rows

- INSERT INTO (Specify more columns)

VALUES

(...) → used to insert multiple values.

Inserting Hierarchical Data

- parent - child relationship

Creating a copy of a table

- INSERTED single row

- INSERTED in

SQL

to PTFE

INSERTED multiple row

~ The copy.

Joining Multiple Table

→ To simplify [select specified the record is want]

Example of Join conditions

→ Composite primary key (2 columns or more)

→ Join table to another table

→ or table table
and both join

Implicit Join syntax

→ don't forget the where clause.

column (a column name)

Outer Join

select join → all the record from the left table return
whether it is true or not.

→ Right Join → all the record from the right table return
whether it is true or not.

Inner Join between Multiple Tables

→ Avoid using left join

Left Outer Join → use different alias for the same table

The joining clause to column names names

→ If the column have exactly the same

→ replace the clause [using aliases]

→ Natural Join

→ we don't specified the names.

→ produce a expected result.

→ Inner Join

→ combination

→ Table of join and column

→ type multiple table.

Like Operator (older)

◦ after like [string and a character]

[[%] string %]
before after

◦ (%) any number of characters.

◦ (-) negate characters.

RegexP (Regular Expression)

◦ Power for searching string.

(^) → beginning of the string.

(\$) → end of string.

(|) → multiple string. [logical or]

(\T) → match any single character

listed in the bracket.

Null operator

↳ absence of the value.

ORDER BY clause

↳ Rows in the sort order (sorted)

Limit clause

◦ limit (expression)

◦ limit 2, 3 → pick 3

↳ offset

Inner Joins

◦ use alias to simplify code.

Joining Foreign Databases

↳ prefer the table that are not part of the database.

OTLP JOINS

↳ Joining table to itself used alias. [self-join]

Select clause

As (Filter)

Arithmetic Expression [math operators]

+ , - , / , % , *

New panel (Filter * FROM database)

Distinct (keyword)

↳ remove duplicate

Where clause

Filter data

Ex. condition [evaluate the condition]

> comparison operator

> =

<

< =

=

!=

<>

Combine multiple search condition

AND - the condition both are [True or False]

OR - one of the condition is True

Evaluate first

In Operator

↳ If equal can't condition broken with a string with boolean value

↳ combining OR operator (used in)

Between Operator

↳ compare attribute with range a better used

between operator

Every database (object)

- a Tables → columns [identification] → Rows [Access]
- b Views
- c Stored Procedures
- d Functions

Multiple Data relationships

How to retrieve data

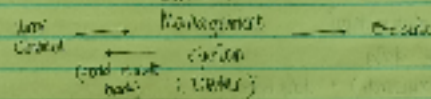
- o WHERE (keywords) → data base
- o SELECT (specified columns you need to retrieve) *
- o FROM (specified tables)
- o WHERE (to filter)
- o ORDER BY (sort query) } OPTION
- [then for comment] + (- -)

MySQL Notes

What is a Database?

A Database is a collection of data stored in a format that can easily be accessed.

In order to manage database we need Database



Classified the two categories as

1

Relational

Relational Database

Structured

Unstructured

Index

Index

Index

SQL Server

Oracle

2

Non-Relational

→ No relationship

→ User manages and understands data

JSON (JavaScript Object Notation)
Query Language