

Table Joins Join Records, Equivalent to Join Recursive Query

Title :- Implementation of diff types of joining Recursive Query

- A SQL JOIN combines records from 2 tables.
- A Join locates related Column values in the 2 tables.
- A query can contain zero, multiple join operation.
- Inner join is the same as JOIN, true keyword

obj :- To implement diff types of joins and recursive

Theory :- The SQL join clause is used to combine records

- from two or more tables in a database.

Syntax :- select col1, col2, cols ... from table-name;

table-name; where table-name 1 is colname =

table-name2 - Column name.

Types of Joins

1. simple Join

2. self Join

3. outer Join

Simple Join :- It is the most Common type

Equal join :- A Join which is based on equality is called equal - Join.

Non Equal join :- It specifies the relationship b/w columns belonging to diff tables.

Table Aliases :- Table Aliases are used to make multiple table queries shorter and more readable. We give an alias name to the table.

output

cust-name

John

Bob

Jane

item-name

Laptop

Keyboard

Mouse

output

Item - name

Laptop

Monitor

Price

1200

450

Self Join:- Joining of a table to itself is known as self-join. It joins one row in a table to another.

Eg:- $\text{select } * \text{ from emp } x, \text{ emp } y \text{ where } x.\text{salary} > (\text{select avg (salary) from } x\text{-emp where } x.\text{dept no} = y.\text{dept no});$

outer join:-

It extended the results of a simple join as well as those rows from the table.

Diff types of self Join:-

there are the diff types of the join is
Self:- Returns records that have matching values in both tables.

$\text{table 2 ON table 1 Column name = table 2 Column name};$

Left (outer) Join:- Return all records from the left table and the matched records from the right table.

Right (outer) Join:- Return all records from the right table, and the matched records from the left table.

Right Join $\text{table 2 on table 1 - Column name = table 2 - Column name.}$

output

e-name

Alice

charlie

Eve

output

e-name

Alice

charlie

one

salary

45000

6000

8000

salary

45000

60000

80000

Roll (cont'd) said ... Return all records when there is a match in either left or right table select columns - names (as from table - 1)

Full outer Join tables on table 1

Left Join



Right Join



Inner Join



Full outer Join



VEL TACH-CSE	
NO.	
NAME	
REGISTRATION NO.	
TOTAL (20)	
SIGN WITH DATE	

29/1/2

Result:- thus, the writing Join queries equivalent respective queries executed successfully.