

Tables with JOIN Clause, Passivation and/or Recursive Queries

Title :- Implementation of diff types of joins
Recursive queries

- 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 sub - join class is used to combine records from two or more tables in a database.
- Syntax :- select col1, col2, col3 ... from tab-name;
table-name; where table-name1.colname =
table-name2.colname name.

Types of Join

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
between belonging to diff tables

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

Output

Guest-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. If joins one row in a table to another.

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

Outer Join :-

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

Diff types of join :-

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

Tables ON table. 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 right table.

Right join table 2 on table 1. Column-name = table 2.Column-name.

output

c_name

Alice

charlie

Eve

salary

45000

60000

80000

output

c_name

Alice

charlie

Eve

salary

45000

60000

80000

full outer join - return all records, even
there is no match in either left or right table
select column-name(s) from table - 1

full outer join table on table

left join

right join



inner join



full outer join



Full Outer Join	
Left Table	Right Table
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Result: thus, the writing join operation

equivalent recursive queries expected successfully