

Task no: 4

Independent and Correlated

Date: 2/9/25

Nested Queries

Aim: To implement nested queries in SQL.

Procedure:

1. Create required tables.
2. Insert sample data.
3. Write and execute independent nested queries.
4. Write & execute correlated nested queries.
5. Observe & analyze the differences in execution and result.

1. Independent Nested Queries

Syntax: `SELECT Column-list FROM table WHERE Column OPERATOR (SELECT column FROM table WHERE condition);`

Query:

Select name from bank-account where address:: (Select address from bank-account where customer ID = 101);

Output: name:

Ram
Vinay

2. Correlated Nested Queries

Syntax:- `SELECT column-list FROM table t1 WHERE EXISTS (SELECT 1 FROM table t2 WHERE Condition involving t1. Column = t2. Column);`

Query:-

Select C.name from customer c where exists (select 1 from bank-account b where b.customer_ID = C.Customer_ID),

output:-

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EX NO.	4
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	25

2/5/22

Result:- The implementation of nested queries in SQL are executed Successfully.