

Task NO: 4

Date:- 02/09/25

Independent and correlated

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 and execute correlated nested queries.
5. Observe and analyze the differences in execution and results.

1. Independent Nested Queries
(Simple)

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

Viray

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 customers C Where exists (select 1
From bank_account b Where b.customerID = c.customer_ID);

output:-

Ram

Vijay

Vinay.

VEL TECH	
EX NO.	4
PERFORMANCE (5)	6
RESULT AND ANALYSIS (5)	8
VIVA VOCE (5)	4
RECORD (5)	1
TOTAL (20)	14
SIGN WITH DATE	

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