

Date: 2/9/25

## Task-No: 4. 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 difference in execution and results.

#### 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 customerID = 101).

Output:-

name

-----

Ram.

Vinay.

#### 2. Correlated Nested Queries

Syntax:- SELECT column-list FROM table t, WHERE EXISTS (SELECT, FROM table t2 WHERE condition involving t1, column = t2. column).

Query:-


select C.name. From. Customer C where exists (select,  
From bank-account b where b.customer ID = C.customer ID);

Output:-

Ram.

Vijay.

Vinay.



VEL TECH	
EX NO.	4
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	
TOTAL (20)	14

15/9

Result:- The Implementation of nested queries in sql are executed successfully.