

Task No- 4  
Date - 2/09/25

## Independent and Correlated Nested Queries.

Aim - To implement nested queries in SQL.

### Procedure:-

1. create required tables.
2. Insert sample data.
3. write and executed independent nested queries.
4. write and execute correlated nested queries.
5. observe and analyse the difference 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 customerID=101);

#### Output:-

name

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Ram

Vinay.

#### 2. Correlated Nested Queries.

Syntax SELECT column-list FROM table t<sub>1</sub> WHERE EXISTS  
(SELECT 1 FROM table t<sub>2</sub> WHERE condition involving  
t<sub>1</sub>. column = t<sub>2</sub>. column);

#### Query:-

select c.name from customer c where exists (select  
from bank-account b where b.customerID = c.customer  
- ID);

#### Output:-

Ram

Vijay

Vinay.



VEL TECH	
EX NO.	4
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	15
SIGN WITH DATE	9/5

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