

Dt: 2/9/25 Task-4 Independent + Correlated Nested Queries

Aim: To Implement Nested Queries in SQL, including Independent and Correlated Subqueries.

Procedure:

- 1) Create required tables
- 2) Insert sample data
- 3) Write and execute Independent ^{nested} queries.
- 4) Write and execute correlated nested queries.
- 5) Write result.

Syntax

SELECT column - list FROM table WHERE
column Operator (SELECT column FROM table
WHERE condition);

Ex:1 Independent Nested Query:

Find employee who belongs to same company
as 'Ritheesh'

Query:- select emp-name from employees where
comp id = (select comp id from employees
where emp-name = 'Ritheesh');

Output:

emp-name
Ritheesh
binayesh

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

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 e-emp-name from employees e where
exists (select 1 from night-shift n where
e-empid = n-empid);

Output:

emp-name
Arun
Ram

VEL TECH	
EX NO.	4
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	15
TOTAL (20)	40
SIGN WITH DATE	28/5

Thus
Result: The Implementation of Nested Queries
including Independent and correlated
queries was done successfully.