

Aim:

To implement and understand nested query in SQL, including independent and correlated subqueries.

Procedure:

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

Types of Nested Query

1) Independent nested Query:

SYNTAX:

Select column-list from table where Column operator (select column from table where condition);

Query in

Select coach-id from teams where teamid=101;

Output:

coach_id
110
121
104

2) Correlated nested Query

SYNTAX:

Select columnlist from table t1 where exists
 (select * from table2 where including
 $t_1.\text{column} = t_2.\text{column}$);

Query

Select Player-name , Team ID from Player p_outer
 where(Select count(*) from p_inner where
 $p_{\text{inner}}.\text{TeamID} = p_{\text{outer}}.\text{TeamID}$) > 5;

Output:

Playername	Team ID
John	1
Bob	1
Chris	1

VEL TECH	
EX NO.	4
PERFORMANCE (5)	4
RESULT AND ANALYSIS (5)	4
VIVA VOCE (5)	4
RECORD (5)	4
TOTAL (20)	13
SIGN WITH DATE	✓

Result: Thus, the implementation of the nested query in SQL are executed successfully.