

Date: 2/9/25

Task 4

Independent and Correlated Number Queries

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

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
 $t1.column = t2.column$);

Query

Select Player_name, TeamID from Player p-outer
where (Select coun(*) from p-inner where
 $p-inner.TeamID = p-outer.TeamID > 5$);

Output:

Playername	Team ID
John	1
Bob	1
Chris	1

VEL TECH	
EX NO.	
PERFORMANCE (5)	4
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	19
SIGN WITH DATE	

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