

Task-4 Independent and Correlated Nested Queries

8/9/25

Aim:

To implement and understand Nested Queries in SQL.

Procedure:

1. Create required tables (e.g. Student, Dept, etc.)
2. Insert sample data.
3. Write and execute independent nested queries.
4. Write and execute correlated nested queries.
5. Observe and analysis the differences in execution and results.

CREATE TABLE STUDENT

STU.ID INT PRIMARY KEY

NAME VARCHAR (50),

AGE INT,

DEPT ID INT);

INSERT INTO STUDENT VALUES

(1, 'Ravi'), 20, 101)

(2, 'Radash', 19, 102),

(3, 'Raadha', 24, 102),

SELECT * from STUDENT.

STU-ID	NAME	AGE	DEPT ID
1	RAVI	20	101
2	Sneha	22	102
3	Anit	19	103
4	Priya	24	104
5	Kiran	23	105

SELECT NAME , AGE FROM STUDENT;

WHERE AGE <= (SELECT AVG(AGE) FROM STUDENT)

	Name	Age
1	Sneha	22
2	Priya	24
3	Kiran	23

SELECT S1.NAME , S1.AGE , S1.DERTID --

WHERE S1.AGE > 1

SELECT AVG(S2.AGE)
FROM STUDENT S2

	NAME	AGE	DEPTID
1	Sneha	22	101
2	Kiran	23	
3	Priya	24	

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EX NO.	
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	1
RECORD (5)	
TOTAL (20)	11
SIGN WITH DATE	9/10/2023

Result :

Thus the implementation of the independent and correlated nested queries has been verified successfully.