

TASK-4.

Independent and correlated Nested Queries.

Aim: To implement and understand nested query in SQL, including independent and correlated subqueries, with practical examples in a university database scenario. in SQL

PROCEDURE:

1. create table. student3
2. Insert data, to table.
3. Write Independent nested queries.
4. Execute correlate nested queries.
5. Analyse result.

```
CREATE TABLE STUDENT3 (  
    STU-ID INT PRIMARY KEY,  
    NAME VARCHAR(50),  
    AGE INT,  
    DEPTID INT);
```

```
INSERT INTO STUDENT3 VALUES  
(1, 'Ravi', 20, 101),  
(2, 'Amit', 19, 102),  
(3, 'Priya', 24, 102),  
(4, 'Icra', 23, 101),  
(7, 'Sneha', 22, 101);
```

B. Define the problem
clearly state the

SELECT * FROM STUDENT3

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

SELECT NAME, AGE FROM STUDENT3
WHERE AGE > (SELECT AVG(AGE) FROM STUDENT3)

	NAME	AGE
1	Sneha	22
2	Priya	24
3	Kiran	23

SELECT S1.NAME, S1.AGE, S1.DEPTID -- correlated
FROM STUDENT3 S1

WHERE S1.AGE > (

SELECT .AVG(S2.AGE)

FROM STUDENT3 S2

WHERE S1.DEPTID = S2.DEPTID),

NAME AGE DEPTID

1.	Sneha	22	101
2.	Kiran	23	
3.	Priya	24	

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EX NO.	4
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	2
RECORD (5)	1
TOTAL (20)	17

Result: Thus, Implementation of the Independent and correlated nested queries has been executed successfully.

B. before the problem
clearly state the