

#### 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.

#### 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);
```

2. INSERT INTO STUDENT3 VALUES  
(1, 'Ravi', 20, 101),  
(2, 'Amit', 19, 102),  
(3, 'Priya', 24, 102),  
(4, 'Icraai', 23, 101),  
(7, 'Sucha', 22, 101),

B. Define the problem  
clearly & state the

SELECT \* FROM STUDENTS

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

SELECT NAME, AGE FROM STUDENTS

WHERE AGE > (SELECT AVG(AGE) FROM STUDENTS)

NAME	AGE
1 Sneha	22
2 Priya	24
3 Kiran	23

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

WHERE S1.AGE >

SELECT .AVG(S2.AGE)

FROM STUDENT 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)	-
TOTAL (20)	16

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

B. Define the problem  
clearly State the