

11/1/2022

Task - 4

Independent & Correlated nested queries

Aim:- To implement & understand nested queries in SQL, independent & correlated subqueries

Procedure:-

1. Create required tables
2. Insert sample data
3. Write & Execute Independent nested queries
4. Write & Execute Correlated nested queries
5. observe & analyze the difference in execution & results
6. Independent (Simple) nested queries

Syntax:

```
SELECT Column-list  
From table  
where Column operator (
```

Ex:-

Find doctors who belong to the same department as

```
SELECT DoctorName
```

```
From Doctor
```

```
where deptID = (
```

```
SELECT DeptID
```

```
FROM Doctor
```

```
WHERE Student Name = Pavan.
```

Doctor

);

Output: Vinod  
Anil.

2. Correlated nested queries

Syntax:-

SELECT Column-list

From table1 t1

WHERE EXISTS (

SELECT

FROM table 2 t2

WHERE Condition involving t1.Column = t2.Column

);

Ex:-

Find patients who have taking the least one goes medicines

SELECT s. Patient name.

FROM Patients

WHERE EXISTS

SELECT

FROM medicines s Doctor name

WHERE e. Patient ID = ~~s. Patient ID~~ );

output: vizag  
sojourn day  
vizag

sgn of

impleme  
Serial  
in pa  
in  
el in

VEL TECH	
EX NO.	4
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	18
SIGN WITH DATE	8/11/17

9/17

Result:- These the implementation of independent & correlated nested funcs has completed successfully.