Independent and correlated
Nested Queries

TASK: 4

Aim: To implement and understand Nested Queries in SQL. including independent and correlated subqueries.

procedure:

1. Create required tables (e.g, mobile phones, brands, realme)

2. Insert sample data

3. Write and execute independent nested Queries.

4. Write and execute correlated nested Queries.

5. Observe and analyse in execution and results.

Syntax:-

SELECT column-list
   FROM Table
   WHERE column OPERATOR (SELECT column
        FROM Table WHERE condition);

1) Independent Nested Query:
   Find mobiles phones who belongs to the same a Brand as Realme.

```
SELECT mobile Name
FROM mobile phones
WHERE phone ID = C
SELECT phone ID
FROM mobile phones
WHERE mobile phone-name = 'Realme'
);
```

Explanation:
= = = =

- Inner Query : gets Realme phone ID
- Outer Query : finds all "mobiles with brand ID = 101

OUtPut :

Realme
Redmi

2. Correlated Nested Queries.
   Syntax:

```
SELECT column-list
FROM table t,
WHERE EXISTS C
SELECT.
FROM table 2 t2
WHERE condition t1 column = t2 column
);
```

Find mobile phones .who have . purchase
in at least one brand
SELECTS mobile Name
FROM mobiles
WHERE .EXISTS (
  SELECT .
FROM purchases
WHERE mobile phone ID = S. mobile phone ID
);

OUTPUT:

Realme
Redmi
Vivo
IQOO

VEL TECH	
EX NO.	⊔
PERFORMANCE (5)	5
RESULT AND ANALYS'S (5)	5
VIVA VOCE (5)	4
RECORD (5)	-
TOTAL (20)	14
WITH DATE	

Result: Thus, the implementation of
SQL commands .using .independent
and correlated Nested queries is
executed successfully.