Independent and corelated nested Queries.

Aim: To implement and understand Nested Queries in SQL - including Independent and correlated sub Queries

Procedure:

1. create required tables (eg. mobile Phones brands, realme)

2. Insert sample data

3. write and execute independent nested queries

4. write and execute correlated method queres

5. observe and analyce in execution and result.

syntax,

SELECT column - list

FROM table

WHERE. column OPERATOR (SELECT column

FROM Table WHERE condition):

1. Independent. Nested Query

find mobile phones who belong to the

same a Brand as Realme

SELECT mobile Name

```
FROM      Mobile Phones
WHERE     Phone ID = c
SELECT    Phone ID
WHERE     mobile Phone Name = "Redme"
);
```

Explanation :

- Inner query : gets Realme Phone ID (say 101)
- outer query : finds all mobile with brand
          ID = 101

output.

    Real me
    Real me

2 Correlated   Nested   Queries.
   syntax :

```
SELECT    column :- list
   FROM   table
WHERE.  EXISTSS

   SELECT ;
FROM  EXISTS TABLE
WHERE   condition t. column =t2 column
);
```

find mobile Phone who. have Purchase in at
   least   one   brand

```sql
SELECTS : Mobile Name
FROM     Mobile's
WHERE    EXISTS C.
    SELECTS
FROM Purchases
WHERE    mobile Phone ID == mobile brand ID
);
```

<u>output</u>

Realme

Redmi

vivo

Iqoo

VEL TECH	
EX No.	4
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	
TOTAL (20)	13
SIGN WITH DATE	10/9

<u>Result</u> : Thus the Implimentation of SQL commands using Independent and corelated Nested Queries is executed successfully