TASK 4

Independent and correlated Nested Queries.

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

Procedure :-

1) create required tables (e.g, mobile phones, brand, realme).

2) insert sample data

3) write and excute independent nested queries

4) write and excute correlated nested queries

5) observe and analyze in execution and results.

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 Brand &Realme

SELECT mobile nam,

FROM Mobile phones
WHERE Brand ID = c
SELECT Brand ID
FROM mobile phones
WHERE mobile phone name = 'Realme'.
);

explanation:-

• inner Query : Get Realme's brand ID (say 101)
• Outer Query : Find all mobiles with brand ID
OUTPUT:-   = 101
Realme
Redme

2. Correlted Nested Queries.
syntax :

SELECT column _List
FROM table t,
WHERE exists (
SELECT
FROM table 2 t_2
WHERE condition t_1 column = t_2 column
);

Find mobile phones who have purchase in
at least one brand.

```
SELECT s Mobile Name
 FROM Mobile's
WHERE exists c
SELECT 1
FROM Purchases
 WHERE ( mobile brand ID = > mobile brand ID
);
```

OUTPUT :-
   Realme
   Redmi
    IQ
   vivo

Result :- Thus the implementation of independent
and correlated nested query is excuted
successfully