Task-11

CRUD OPERATIONS IN GRAPH DATABASES

Aim: To perform CRUD operations like creating, inserting, Querying, finding, deleting operations on graph spaces.

* CREATE NODE WITH PROPERTIES:

properties are the key-value pairs using which a node stores data. you can create a node with properties using the CREATE clause.

Syntax:

Create (node table, keys; values1, keys, clause...})

• Returning the created node, do verify the Creation of the node, type and execute the following queries. Return

* Creating relationships.

we can create a relationships using the create clause we well in relationships within to square bracs [ ]

Syntax:

CREATE (node 1; [i Relationship type → [node 2]

* creating a Relationship b/w the holes you can also create a relationship using the create clause.

Syntax:

WATCH (a: label of node 1),6;
label of node 2) where (a name) =
"name of nodes. AND "name".
name of node 'CREATE (a)·[i·Relation]→(b)

Return a,b.

* Deleting a particular node to delete a particular node you Declined from.

Syntax:

match (node : label & properties:....}

Detusch Delete node.

create a graph. database for mobile phone converters

~~fcount (A: sid;~~

Counter(n', middle · % sid'; ,phone-id 26478";

    name: "realme",

    Brand! "oppo" 3

)

Output:

Added : label, created | node ; set 3 properties,

completed after 232 ms.

create (n: mobile & realme:" 26478",
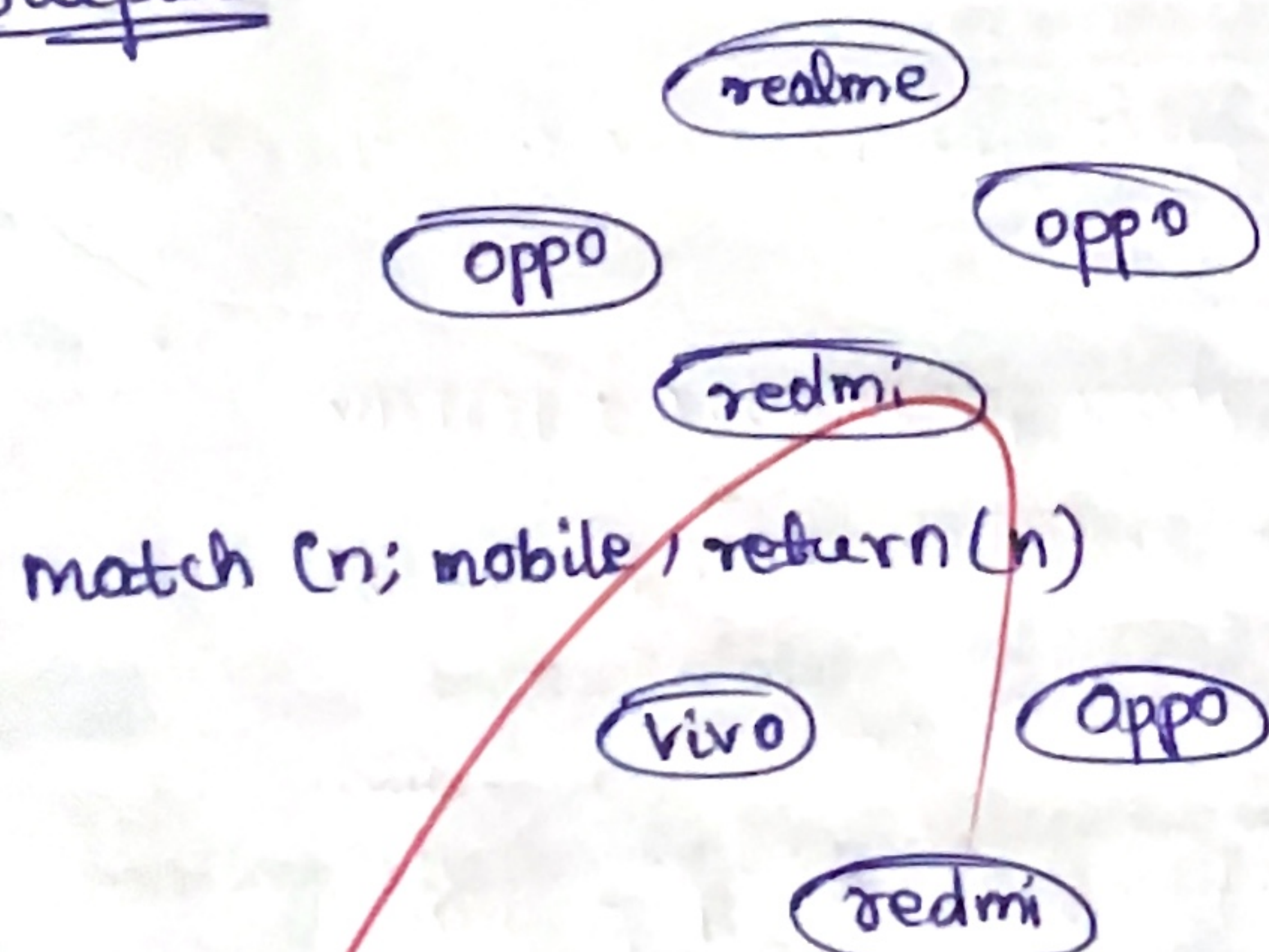
brandname : "oppo".

Output:

Added 'label 'created | node, set 3

properties, completed after 16ms

create (w: Mobile [redmi:"VI 24652", y)

Output:

realme

oppo   oppo

redmi

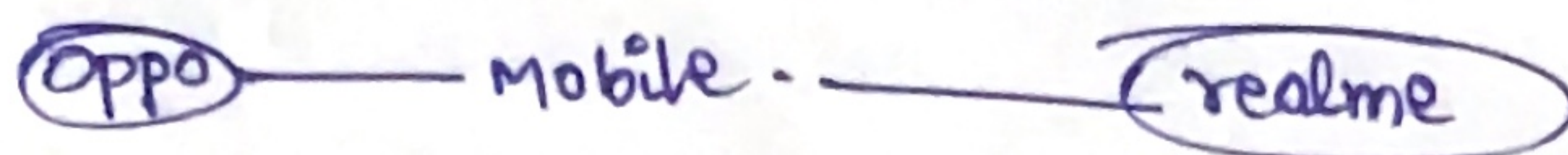match (n; mobile / return (n)

vivo   oppo

redmi

a) Create relationships between mobile and Brand oppo.

Match(m: mobile)(realme , where , M·Name = "realme" .

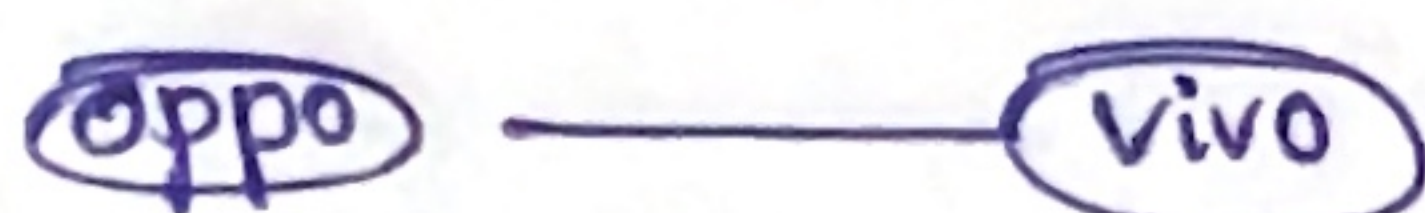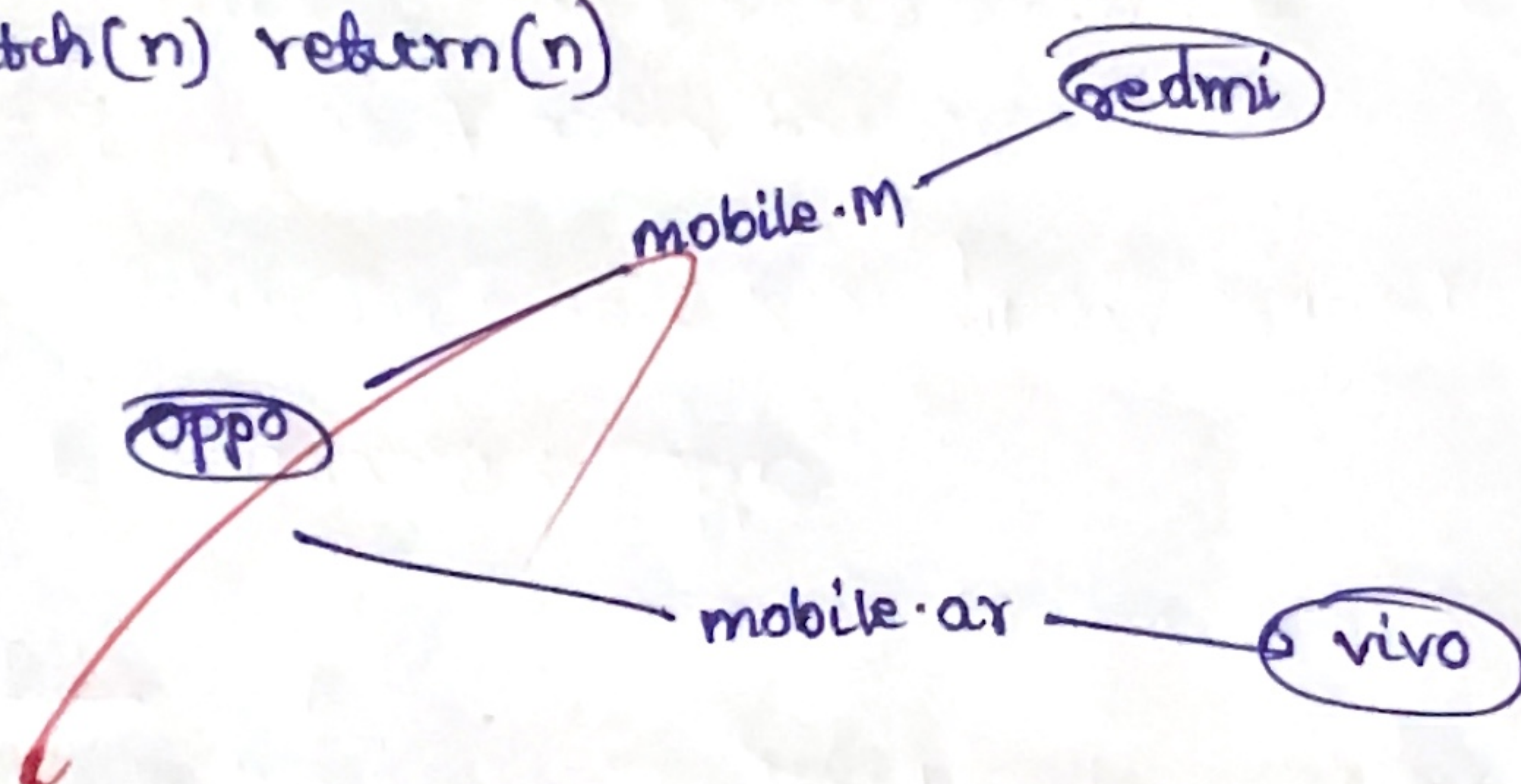AND B·Brand name = "oppo"

Create (M—(M: Mobile. A) → [d] .

output:-

(Oppo) ——— Mobile · ——— (realme)

Create (m) — [m = mobile — m] → ((d))

return ;

output;

(oppo) ——— (vivo)

Match (n) return (n)

(redmi)

mobile ·M

(oppo)

mobile ·ar ——— (vivo)

Result: The implementation of CRUD operation like
Creating , Inserting , finding and removing operations
using graph OB is successfully executed .