

14/10/25

Task No:-11

## CROD 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 create clause.

Syntax:-

Create (node label, key1; values, keys clause:?)

\* Returning the created node, do verify the creation of the node type and execute the following query series return.

\* Creating relationships.

we can create a relationships using the create clause we use in relationships within to sq more brace [].

Syntax:-

create (node1; [Relationship type → [node2]]).

\* Creating a relationship b/w the nodes you can also create a relationship using the create clause.

Syntax:-

WATCH (a: label of node 1), G;

(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 declared from.



Syntax:- match { node : label & properties ... }

Detach delete node

create a graph database for mobile phone converters.

counter(n:middle/sid; phone-id 26478";

name: "realme".

Brand: "oppo" 3.

Output:-

Added: label, created / node; set 3 properties com

pleted after 232 ms.

created (n: mobile & realme: "26478",

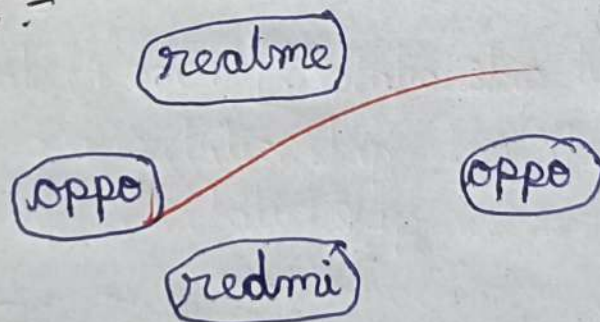
brand name: "oppo".

Output:-

Added "label, created / node, set 3 properties, completed after 16 ms.

create (w: mobile [redmi: "DI 24652", 3])

Output:-



match (n; mobile, return (n))

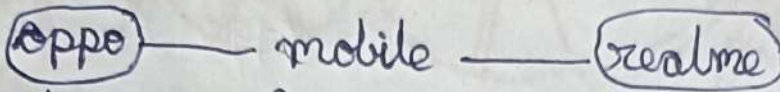


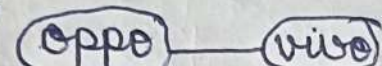
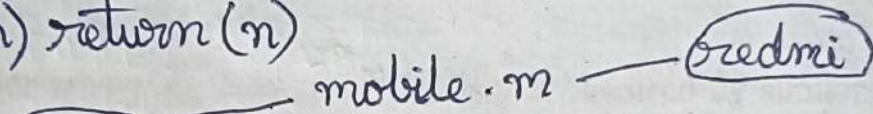
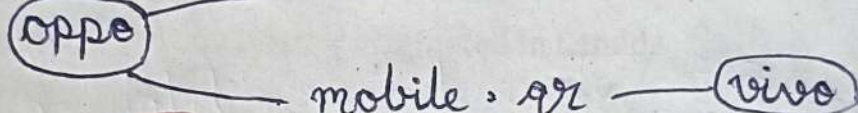


a. Create relationships between mobile and brand oppo.

match(m.mobile) (realme, where, m.name =  
"realme" AND B.Brand name = "oppo")  
create (m.(m:mobile-A) → [d]).

Output :-


  
 create (m) - (m-mobile-m) → ([d]).  
 return;  
 output;


  
 match(n) return(n)
   

  


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EX NO.	11
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	16
DATE	14/12/22

Result :-

The implementation of crud operation like creating, inserting, finding and removing operations using graph OB is successfully executed.