

CRUD OPERATIONS IN GRAPH DATABASES.

AIM:- To perform CRUD operations like creating, inserting, querying, finding, deleting operation, on graph stored.

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. You need to specify these properties separated by commas within the flower braces "{}".

Syntax

following is the syntax to create a node with properties

`CREATE (node_label {key1: value, key2: value...})`

Returning the created Node.

To verify the creation node. type and execute the following query in the dollar prompt match (n) return n.

Creating Relationships:-

We can create a relationship using CREATE clause we will specify rela ship within the square bracket []

Syntax

CREATE (node1) -> [Relationship type] -> (node2)

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

Syntax:-

CREATE (a:label of node1),
label of node2) WHERE a.name).

(label of node3 AND name)

name of node4 CREATE (a) -> (b)

Return a,b

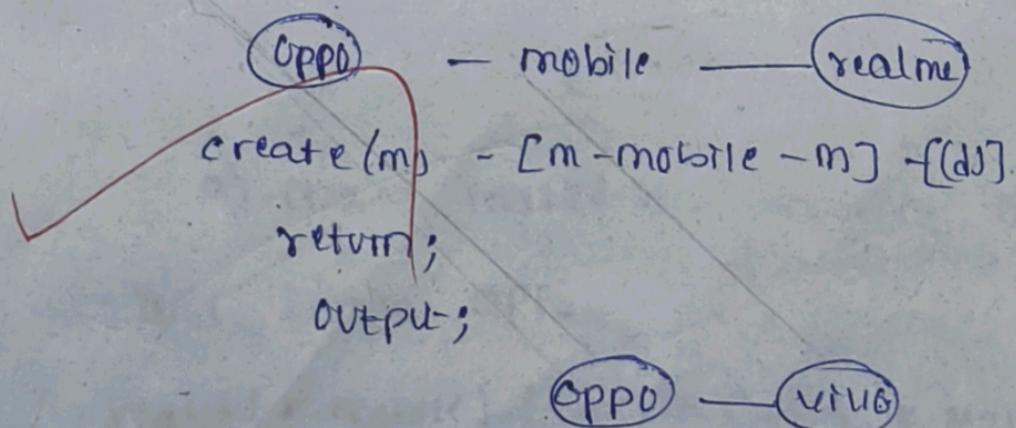
* Deleting a particular node to delete a particular node you defined form

match (m:mobile) (realm, where m.Name = "realm")

AND B-Brand name "oppo"

CREATE (N-(m mobile-n)) -> [d]

Output



syntax match(node: label \$, properties ---)
 return deleteNode
 create a graph database for mobile phone
 converter
 Counter [n], middle y, side": phone_id "26478"]
 name: "realm"
 Brand : "oppo"]
)

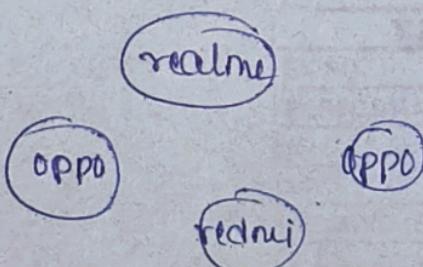
Output

added : label. created [node: set3 properties
 completed after 232 ms.
 Create [n:mobile \$, realm", "26478",
 brand name: "oppo"

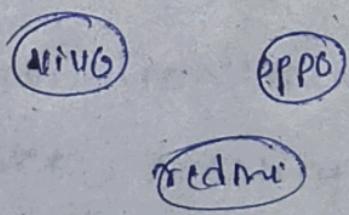
Output:

added [label, created [node, set3.
 Properties, completed after 16ms
 Create. (n: mobile [brand: "V12U652",])

Output



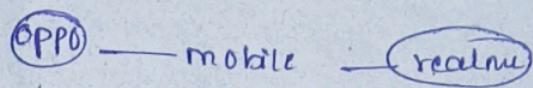
match (n: mobile, return(n))



a) Create relationships between mobile and brand oppo

match (n: mobile) (realm, where m.name = "realm"
 AND Brand name = "oppo")
 Create [n -> (m: mobile -> d)

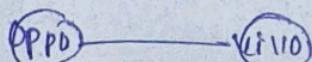
Output



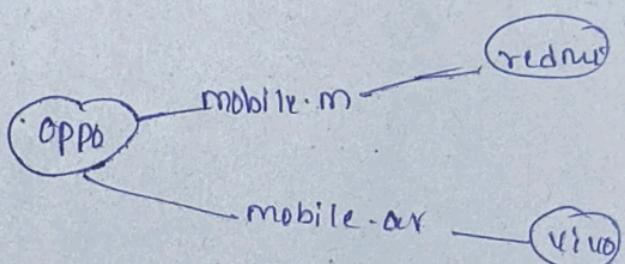
Create (n) [m - mobile - m → f(d)]

return;

Output



match(n) return(n)



VEL TECH	
EX NO.	1
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	4
TOTAL (20)	14
DATE	
10/10/2010	

RESULT : Thus Implementation Of CRUD

Operation like creating, inserting, finding

and removing operations Using Graph

OR is successfully executed.