

14/10/21

## TASK II

### CRUD operation in GRAPH DATABASE

Aim:- To Perform CRUD operations like creating, inserting, querying, finding, deleting operations on graph space

Create node with properties

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

Syntax:-

CREATE (node label :key 1: value 1, key 2: value 2, ...)

\* Removing the created node  
To verify the creation of the node, type and execute the following queries

MATCH (n) RETURN n

\* Creating Relationships

We can create a relationship using the create clause will specify relationship.  
with in to say "knows" [ ]

Syntax:-

CREATE (node 1) : [Relationship] = (node 2)

\* Creating a Relationship between the nodes  
You can also create a relationship using the create clause

## Syntax:-

MATCH (a:label of node 1), b:  
label of node 2) where 'a.name =  
'name of node 1 AND b.name =  
name of node 2' CREATE (a) [i:  
relation] → (b) RETURN a, b

\* Deleting a particular node to delete  
a particular node you need form

## Syntax:-

match (node = label [properties ...])  
delete node

create a graph database for mobile phone conversion

counter: student "sid: "29230"

counte (n, mobile {sid: ", "phone.id 26478",  
name: "realme"

Brand: "oppo" }

)

## Output

Added "label", created 1 node set 3 properties,

Completed after 232ms

create (n = mobile { realme: "26478",

brandname: 'oppo' }

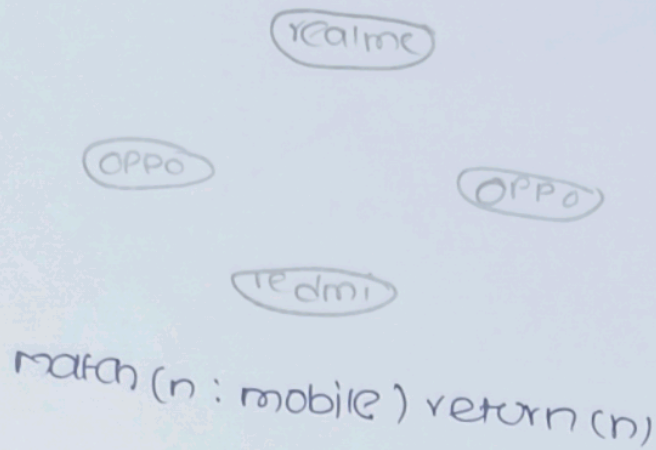


output

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

create (w = mobile {redmi: 'v: 24652';  
})

output:



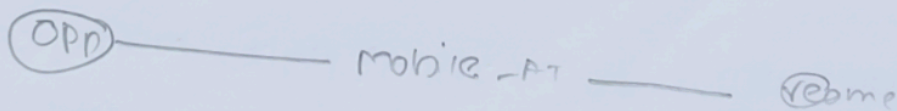
redmi

a) create relationship is between mobile and  
Brand opp

watch (n: mobile) (realme, where n.name =  
"realme" AND B.Brand name = "oppo")

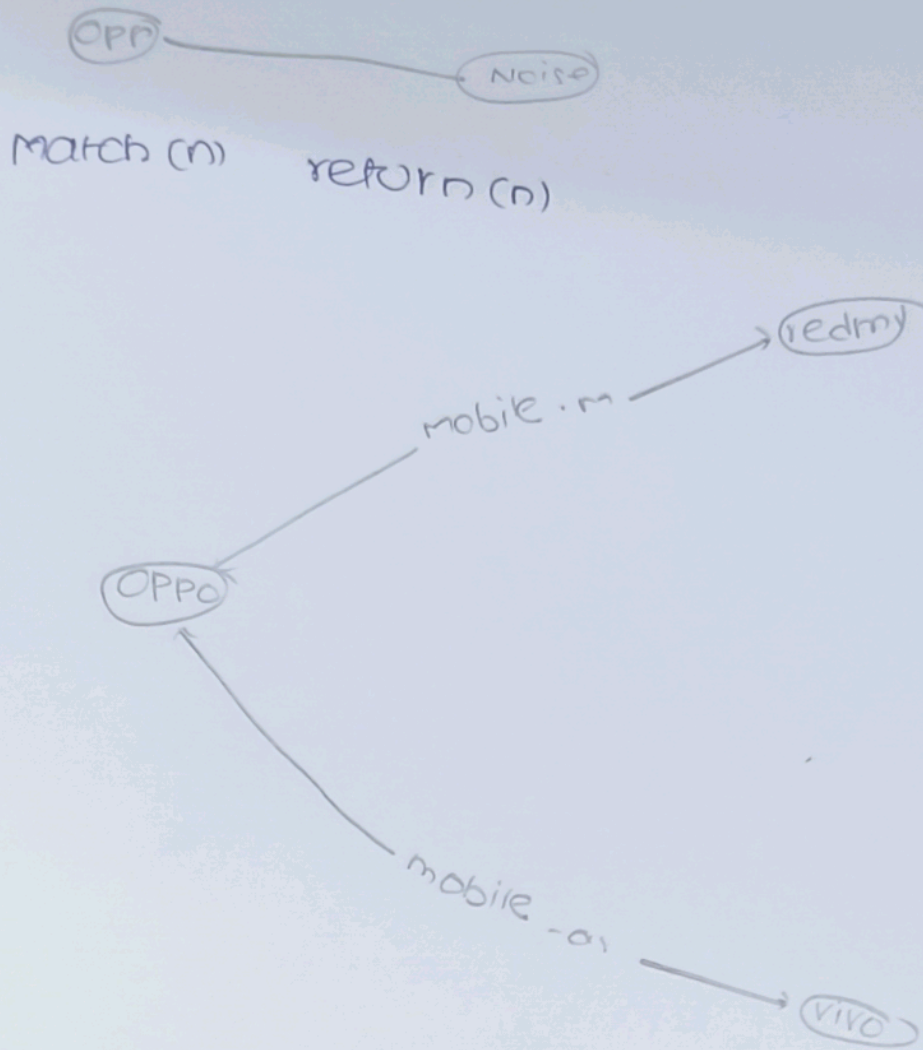
create (w = [m = mobile - m1] -> [d] reduced  
m.d

output



create (w) = [m = mobile -> r] -> (d)

return :  
output :-



VEL TECH	
EX NO.	11
PERFORMANCE (5)	8
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	28
SIGN WITH DATE	14/10/21

Result:- The implementation of CRUD operation like creating, inserting, finding and removing operation using graph OR it successfully executed