Task-11 :- Crud operations in Graph databases

Aim :- To Perform crud operations like creating, inserting
quering, finding, deleting operations on graph spaces

Create Node with Properties

Properties are key value pairs using which a node stores
data   create a node using create clause

R. syntax :-

create (node label key1, value, keys, value)

<u>Returing the created Node</u> :- <u>Creating Relationships :-</u>
We can create relationship using CREATE clause.
we will specify relationship within square braces "[ ]"
depending on direction of relationship it is placed
blw hyphen "-" and arrow "→"

syntax :- match (a: label of Node) &; label of Node 2)
Match caluse
where 'a.name = "name of nodes &AND b.name= "
name of node" create (a) [: Relation] → (b)

Return a, b

<u>Deleting a particular Node</u> : to delete a particular
node you Declared form

Syntax :-
    Match (node: label &Preparation =--}
    DETACH Delete node

· create {n: student}(sid: "VTU-2930")

Counter (n" mobile /sid: "Phone-id 28478")
Counter (n" mobile /sid, "Phone-id 28478";
    · name : "real me"
    Brand : "OPPO "}

output:-

Added · label · created 1 node set · 3 Properties,
Completed after ·232 ms
create (n: mobile {realme:" 261178"·brand name
"oppo"

output:-

Added ·label ·created node ·set 3 Properties
Completed after 16 ms
create (w: mobile {redmi :'ri'·24652"}

output:-   (realme)

                                      (oppo)
         (oppo)

              (redmi)

watch (n:mobile) return (n)

         (vivo)   (oppo)
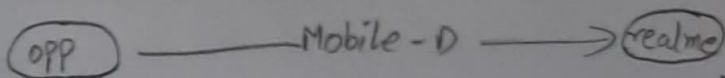
              (redmi)

a) create relationship iP between mobile and
   Brand opp
   watch (sql·Mobile) (realme) where N·name =
   " realme" AND B·Brand name = "oppo"
   create (N-[M: Mobile>A] ->[d] re used
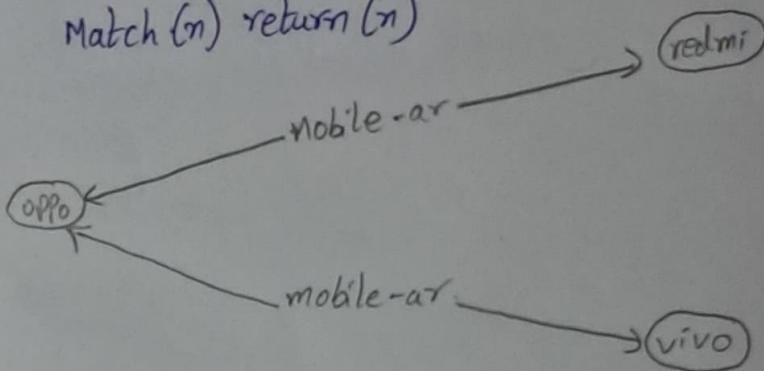   M·d

output:-

OPP ———————Mobile - D ————→ realme

create (N) - [M '-' (Mobile = AT) →(d):]

return:

output:-

OPP •————————• Noise

Match (n) return (n)

Mobile-ar ————————→ redmi

OPPO

mobile-ar ————————→ vivo

VEL TECH	
EX No.	1½5
PERFORMANCE (5)	
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	
TOTAL (20)	14
SIGN WITH DATE	15

Result:- The implementation of crud operations· like
. Creating, inserting, finding and removing operations
using Graph DB is successfully executed.