

14/10/25

Task-11 CRUD OPERATIONS IN GRAPH DATABASE

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. You need to specify these properties.

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 of node, type and execute the following query in the dollar prompt.

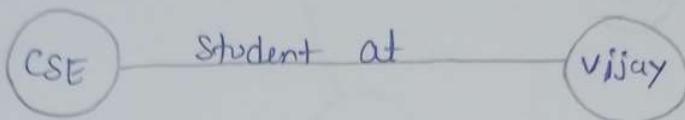
* Creating Relationships

Following is the Syntax to create a relationship using the CREATE clause.

~~CREATE (node1) -[Relationship Type] -> (node2)~~

a) Create relationship b/w student and CSE MATCH
(s: student), (d: dept) where s. Sname = 'Vijay',

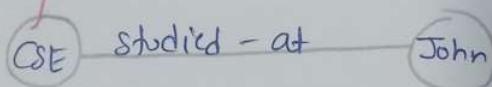
Output :-



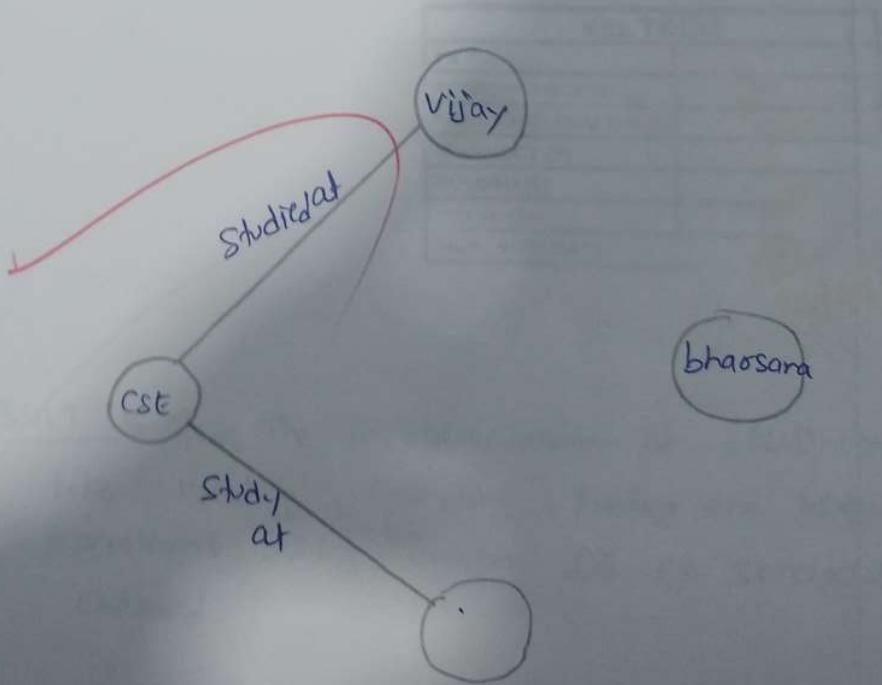
Match (s: student), (d: dept) WHERE s. Sname =
'John' AND d.deptname = 'CSE'

CREATE (s1-[st: studied-at] -> (a))
return s1

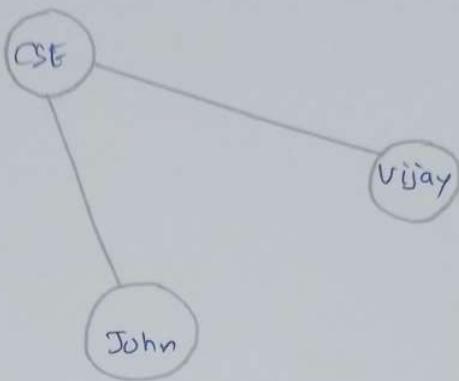
Output :



match (n), return (n)



b) Delete a node from student match (n)
Student of S name : ('Dharesh') DELETE(n)



VELTECH	
EX No.	1
PERFORMANCE (5)	5
TEST AND ANALYSIS (5)	5
VIVA VOCE (5)	5
PROJECT (5)	5
Total (20)	10
DATE WITH DATE	20/10/2018

RESULT & Thus, The implementation of CRUD operations like creating , inserting , finding and removing operations using Graph DB is successfully executed.