

14/01/25

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])

* Retrieving the Created Node

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

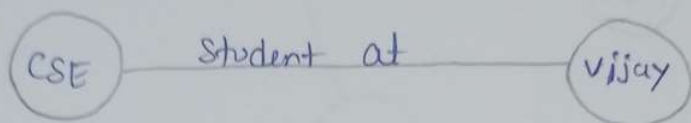
* Creating Relationships

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

CREATE (node 1): [Relation Type] → (node 2)

a) Create relationship b/w student and CSE MATCH
 (S: student), (d: dept) where S.sname = 'vijay',

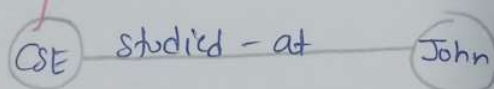
Output:



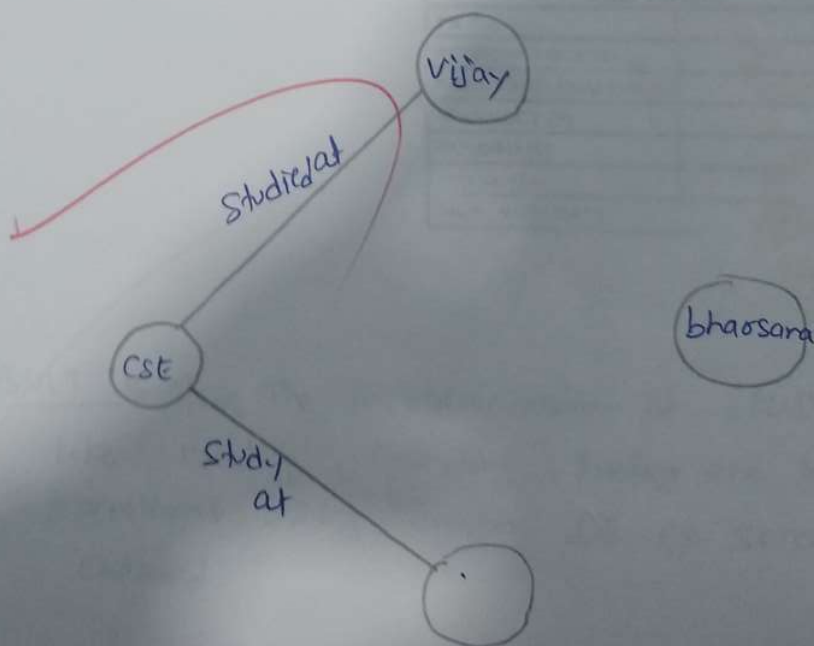
match (S: student), (d: dept) WHERE S.sname =
 'John' AND d.deptname = 'CSE'

CREATE (S1-[st: studied-AT] -> (a)
 return S,d

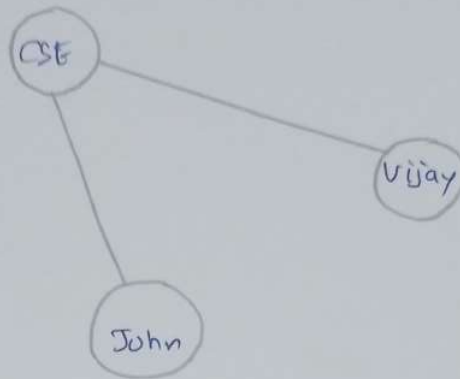
Output:



match (n) , return (n)



b) Delete a node from student match (n):
 Student of Sname : 'Dhaasara' ?) DELETE(n)



VEL TECH	
EX No.	11
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	15
SIGN WITH DATE	14/02/23

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