

14/02/25 TASK-II CRUD OPERATIONS IN GRAPH DATABASE

Aim:

To perform CRUD operations like creating, inserting, querying, finding, deleting on graph spaces.

→ creating graph database for college student course registration:

create (n: Student {sid: "VTU29246", name: "Rithesh", dept: "CSE"})

↳ Output:-

Added 1 label created 1 node, set 3 properties completed after 232 ms.

create (n: Student {sid: "VTU29246", name: "Adi", dept: "CSE (AI)"})

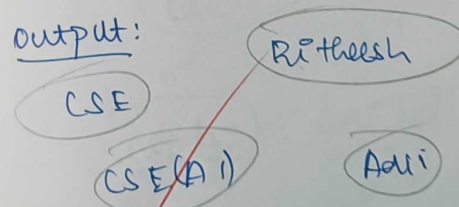
output:-

Added 1 label created 1 node, set 3 properties completed after 232 ms.

select all nodes using match compound:-

→ match(n) return(n)

output:



create (n: dept {dept id: 1001, dept name: "CSE"})

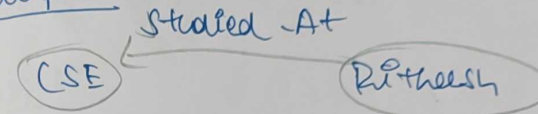
output:

Added 1 label, created 1 node. set 3 properties completed after 232 ms.

Create relationship b/w student and cse:

> MATCH (s:Student), (d:dept) where s.name = 'Rithesh' AND d.deptname = 'cse' CREATE (s) [s: STUDIED_AT] -> (d)

output:



> MATCH (s:Student), (d:dept) WHERE s.name = 'Adi' AND d.deptname = 'CSE(AI)' CREATE (s) [s: studied_AT] -> (d)

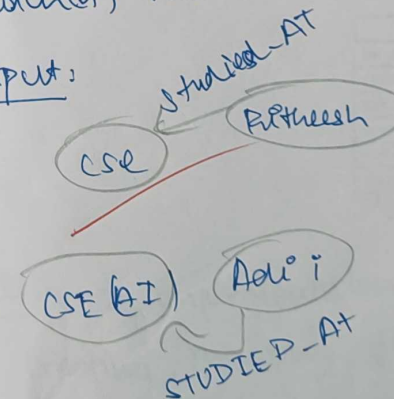
return s, d.

output:



> match(s) return s

output:

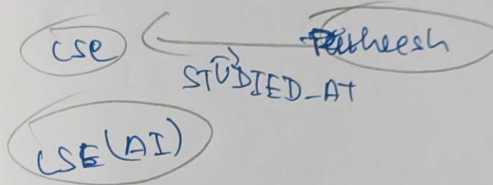


b) Delete 2 node from student
 match (n : student {name: 'Adi' }) DELETE(n)
output:

Deleted 1 node, completed after 10830 ms

> match (n) return (n)

output:



VELTECH	
EX.No.	11
PERFORMANCE (S)	8
RESULT AND ANALYSIS (S)	8
VIVA VOCE (S)	8
RECORD (S)	1
TOTAL (20)	15
SIGN WITH DATE	10/1/20

Result: The implementation of CRUD operations like creating, inserting, finding & removing operations like Graph DB is successfully executed.