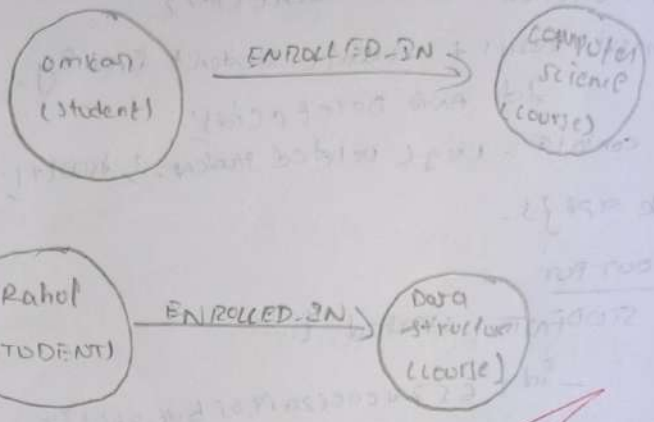
13/11/25

TASK

Aim:-



13/11/25

TASK 11 - CRUD OPERATION IN GRAPH DATABASE

Aim:- TO perform CRUD operation on a graph data base.

CREATE - NODES & Relationships.

CREATE (S1: Student { id: 1, name: 'omkar', age: 21 })

CREATE (S2 : student { id: 2, name : 'Rahul', age : 22 }

CREATE (C1 : course {id: 101, name: 'computer science'})

CREATE (S1) - [: ENROLLED_IN] → (C1)

CREATE (S2) - [: ENROLLED] → (C2):

READ - Query data:-

MATCH (S : Student) - [: ENROLLED_IN] →
(C : course)

RETURN S.Name, C.name;

OUTPUT

omkar → computer science

Rahul → Data structure.

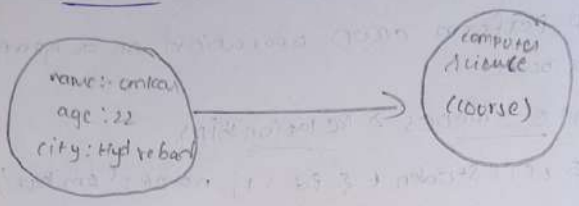
UPDATE

MATCH (S : Student { Name : 'omkar' })

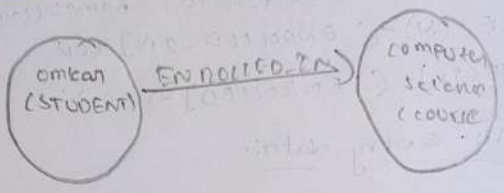
SET S.age = 22, S.city : 'Hyderabad'

RETURN

Update :-



DELET :-



Name :-

age :-

city :

DELETE

MATCH

Result :-

Pike

Opera

Name :- omkar
age :- 22 → computer science
city : Hydrebad

DELETE

```
MATCH (S: Student { name: 'Rahul' } )-
      [r : ENROLLED_IN ] → [c : course)
DELETE r;
```

OMKAR — ENROLLED_IN → computer science.

VELTECH	
EXP. No.	11
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	
RECORD (5)	5
TOTAL (20)	20
SIGN WITH DATE	

13/08/25

Result :- The implementation of CRUD operations like creating, updating, Reading & deleting operations using graph DB is successfully executed.