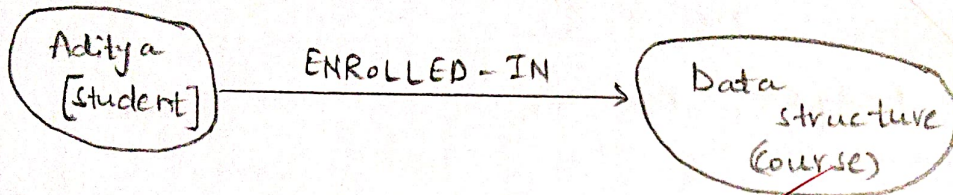
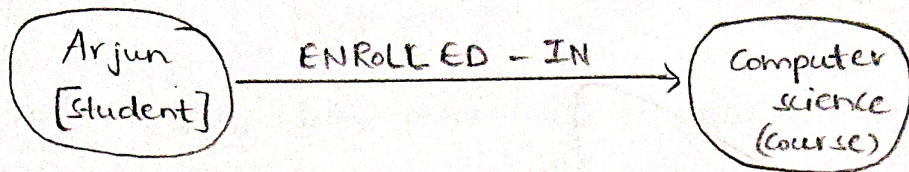


11.	13/10/25	CRUD operations in graph database	15	100%
		<del>Completed</del>		<del>13/10/25</del>
		<del>13/10/25</del>		



VEL TECH - CSE	
EX NO	10
PERFORMANCE (S)	
RESULT & ANALYSIS (S)	
VIVA VOCE (S)	
RECORD (S)	
TOTAL (50)	12
SIGN WITH DATE	

For the GOD operation in document database we need to use the following query.



13/10/25

## Task-11: CRUD Operations Graph Database

Aim: To perform CRUD operations on a graph database.

CREATE - Nodes & Relationships

CREATE (S1: student {id: 1, name: 'Arjun', age: 21})

CREATE (S2: student {id: 2, name: 'Aditya', age: 23})

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

CREATE (C2: course {id: 102, name: 'data structure'})

CREATE (S1) - [: ENROLLED: IN] -> (C1)

CREATE (S2) - [: ENROLLED: IN] -> (C2);

READ - Query data

MATCH (s: student) - [: ENROLLED - IN] -> (c: course)

RETURN s.name, c.name;

OUTPUT

Arjun  
~~Arjun~~ -> computer science

Aditya -> Data structure

UPDATE

MATCH (s: student {name: 'Arjun'})

SET s.age = 22, s.city = 'Hyderabad'

RETURN;

name: Arjun

age: 22

-> computer science

city: Hyderabad

DELETE

MATCH (s: student {name: 'Aditya'}) -> (r: ENROLLED: IN) -> (c: course)

DELETE;

Arjun - ENROLLED - IN -> Computer science



## UPDATE

name: Arjun  
age: 22  
city: Hyderabad

Computer  
science  
(course)

## DELETE

Arjun  
(student)

ENROLLED IN

Computer  
science  
(course)

Aditya is disconnected



Result:-

Thus, the CRUD operations are graph database 3 executed successfully.

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