Task-11

# CRUD operations graph Database

Aim:

To perform CRUD operations on a graph data base.

CREATE — Nodes & Relationships:

CREATE ( S1: Student {id : 1, name; 'sharan', age:23})

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

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

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

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

CREATE (S2) - [: ENRolled : IN] -> (C2),

READ - Query data

MATCH (S: students ) - [ENROLLED - IN] ->
        [ c: course )

RETURN S. name C. Name;
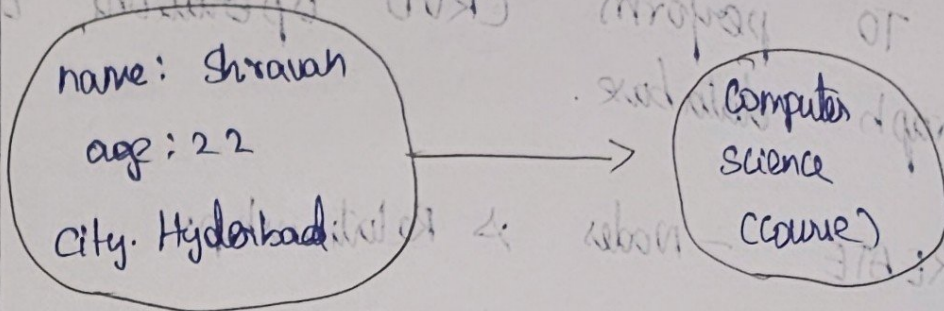
OUTPUT:

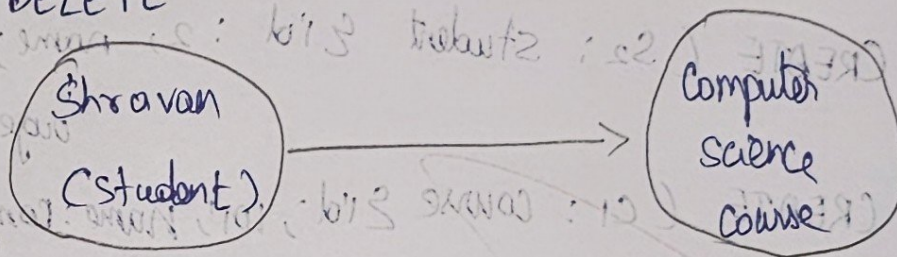Shroran -> computer science

Rahul -> Data structure

UPDATE

MATCH (S: student {name : 'sharan'})

SET sage = 22.5 city = 'Hyderabad

## UPDATE

name: Shravan

age : 22

city. Hyderabad → Computer science (course)

## DELETE

Shravan (Student) → Computer science course

Rahul is disconnected.

Returns;

name: shravan
age: 22 →    computer Science.

city : Hydrabad

DELETE:

    MATCH (s: Student {name: Rahul}) →

        [r: ENROLL ED: IN] → (c: Course)

DELETE

    Shravan - ENROLLED -IN→ computer
                           Science.

| VEL TECH | |
|---|---|
| No | 11 |
| PERFORMANCE (5) | 6 |
| RESULT AND ANALYSIS (5) | 5 |
| VIVA VOCE (5) | 5 |
| RECORD (5) | 16 |
| TOTAL (20) | |
| SIGN WITH DATE | 13/10/23 |

Result:

    thus    the    CRUD    operations

are    graph    database    excuted

Succesfully .