

13/10/25

Task - II

CRUD operations

Graph Database

Aim: To perform CRUD operations.
on a graph database.

CREATE - Nodes & Relationships

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

~~CREATE (S2: Student {id:2, name: 'Rahul',
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: Students) - [:ENROLLED-IN] ->
(C: course)

RETURN S.name, C.name ;

Shrawan
(Student)

ENROLLED-IN

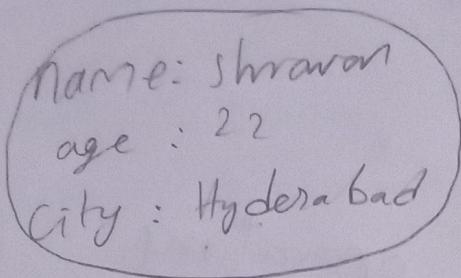
Computer
Science.
(course)

Rahul
(Student)

ENROLLED-IN

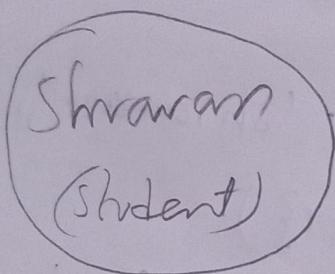
Data
structure
(course)

UPDATE



Computer
science
(course)

DELETE



Computer
science
(course)

Rahul is disconnected

DE

S

Res

Computer
Science
(course)

Output

shrawan → Computer Science.

Rahul → Data Structure

UPDATE

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

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

RETURNS;

name: shrawan

age: 22 → Computer science

City: Hyderabad

DELETE

~~MATCH (S: student {name: 'Rahul'})~~ →

~~[r: ENROLLED : IN] → (c.course)~~

~~DELETE r;~~

shrawan - ENROLLED - IN → Computer
science

VEL TECH - CSE	
EX NO.	11
PERFORMANCE (5)	6
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	16
SIGN WITH DATE	

Result: Thus, the CROON operations
are graph database ^(B) executed
successfully.