

## Task - II

crud operations in graph DataBase

Aim: To perform crud operation database

Create - Nodes & Relationships:

create (S1 = student -1 {id = 1, name : Vinay})  
 create (S2 = student -1 {id = 2, name : Ravi, age = 20})  
 Create (C1 : course - {id = 1, name = CSE})  
 Create (C2 : course - {id = 10, name = DS})  
 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:

Vinay - C.S.E : Hyderabad

Return : S.name - C.name

Output:

Vinay → C.S.E.

Nisa → DS

Updation:

match (S: student - {name : Vinay})  
 SET S.age = 22, S.city = Hyderabad

Returns;

name = Vinay

age = 22

city = Hyderabad → C.S.E

crud op

Aim: To

create -

Create C

Create C

Create P

Create C

Create C

Create C

Create C

Read -

match

C

out P

outpu

updat

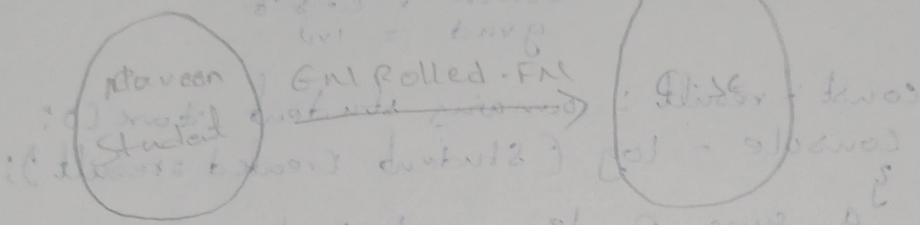
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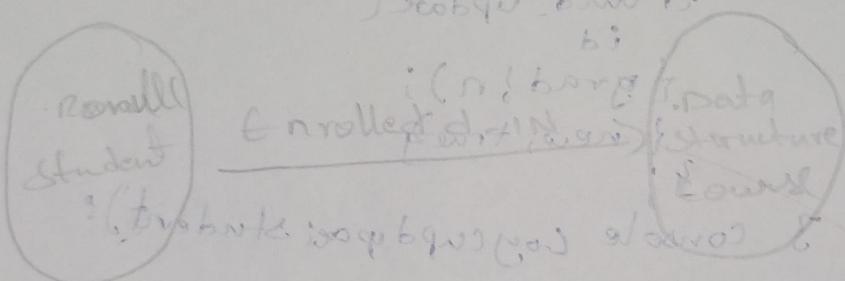
what is DBMS  
DBMS is a system which provides a way to store data in a structured form and provides a way to retrieve data in a structured form.

DBMS provides a way to store data in a structured form and provides a way to retrieve data in a structured form.

Classification between DBMS



3) students nothing like  
student info = (student info)  
student info + student info = student info  
student info



3) (b) student info not unique  
student info + course name (not unique)  
(b) info same D =  
(Info = student info) C = student info  
in info share

as

as

as

as

as

as

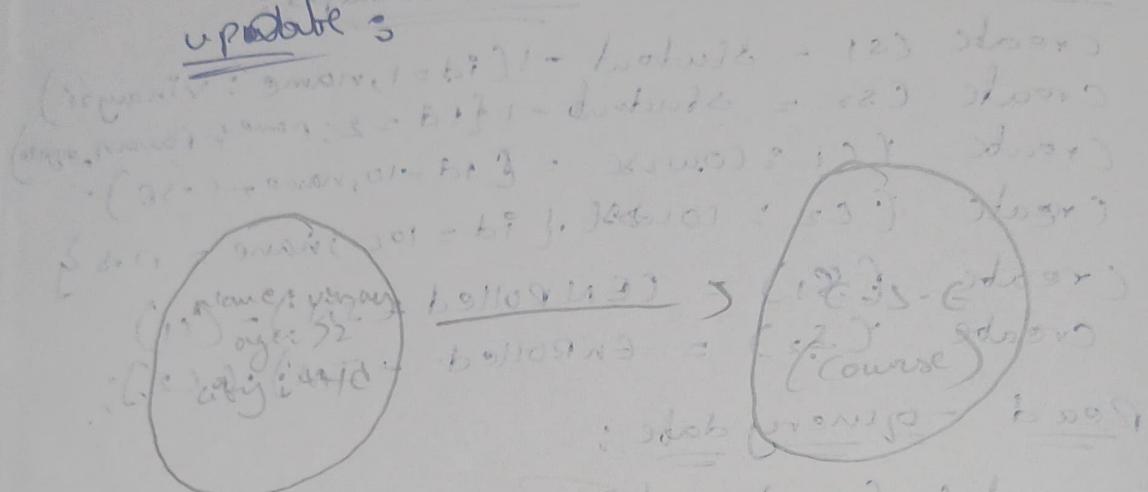
as

as

11 - West

10/16/

Database design in 3 normal forms  
student registration form mapping of 3 tables  
update 3



### Delete:

g.e. → course

g.e. → student : remove

→ student

→ 32.3 → pravir

→ 20 → 102114

→ student  
(student)  
student → student\_id

→ enrolled\_in

→ 102114 → 32.3

→ course  
(course)  
course → course\_id

→ 32.3 = pravir 32.3 202114 2.7.02

→ 32.3 = pravir

→ 202114 = 32.3

→ 32.3 → 202114 → 32.3

DELETE:

match CS & student & name : 'Ananya'  
(v = enrolled - In] CC : course)

Delete:

v may -- enrolled -- In] --> C -> E

VEL TECH	
EX No.	11
PERFORMANCE (5)	8
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	18
IN WITH DATE	13/09/17

Result: The implementation of crud operations like creating, updating, inserting, deleting operations using graph DB is successfully executed.