

13/10/25

## TASK-11

crud operations 2N Graph database:

Aim: To perform crud operation in a graph database.

create - nodes & relationships:

```

create (s1: student -1 (id=1, name: vinay 21)
create (s2: student -1 {id=2, name: pavan, age=22)
create (c1: course -1 id=10, name: c.s.e)
create (c2: course -1 id=106, name: p.s.s)
create (s1) = (ENROLLED - IN) - (c1)
create (s2) -1 = ENROLLED - IN] - (c2):

```

Read - query data:

```

match (s: student) - (ENROLLED - IN) -1
(c: -course).
return s.name - c.name:

```

output:-

```

vinay - c.s.e
return: s.name - c.name

```

output:-

```

vinay -> c.s.e
pavan -> p.s.s

```

updating:

```

match (s: student + {name: vinay})
set s age = 22, city = Hyderabad

```

returns:

```

name: vinay

```

```

age: 22

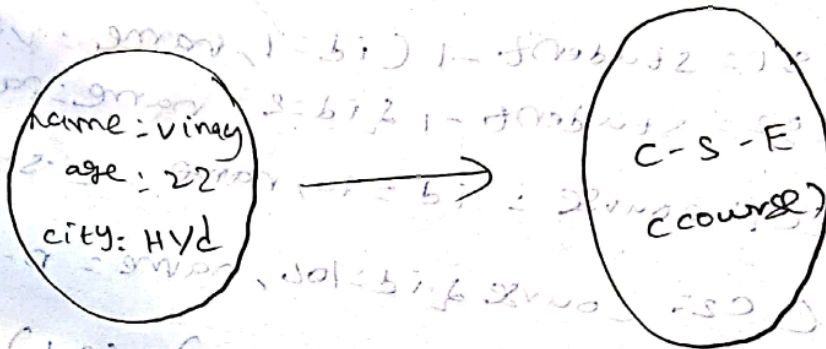
```

```

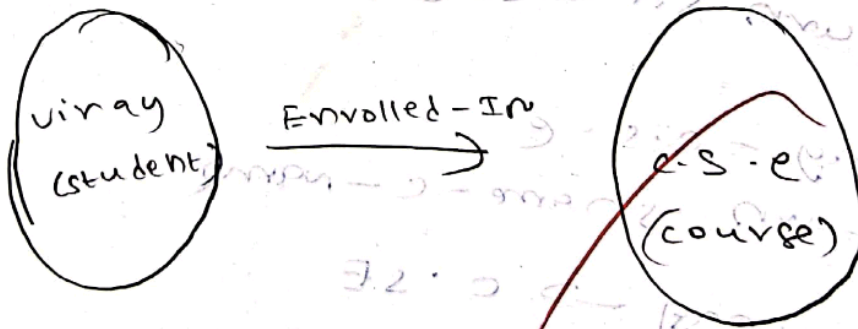
city = Hyderabad -> c.s.e

```

Update:



Delete:



## DELETE

match CS: student & name : vishnu  
(V: Enrolled - I N - CC: couv&)

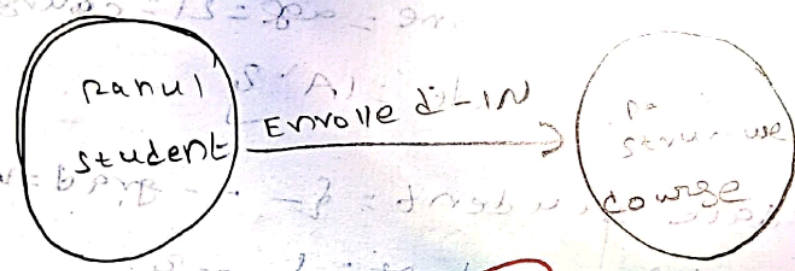
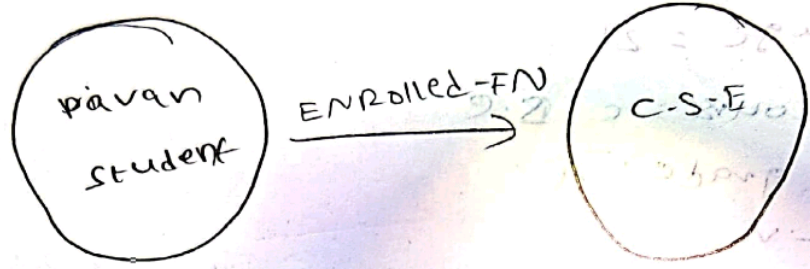
Delete:-

vishnu -enrolled - I N → C. S. E

VELTECH	
EX No.	13
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	15
SIGN WITH DATE	13/10/22

Result: The completion of CRUD operations like creating, updating, reading, deleting operations using graph DB is successfully executed.





NAME	ROLL NO	MARKS
RAHUL	101	85
ADARSH	102	78
ADARSH	103	92
ADARSH	104	88
ADARSH	105	95
ADARSH	106	80
ADARSH	107	90
ADARSH	108	85
ADARSH	109	92
ADARSH	110	88

6. Examine the following table and answer the questions that follow.  
 The table shows the marks obtained by students in a particular exam.  
 The marks are out of 100.