

# TASK-11 - CRUD OPERATIONS IN GRAPH DATABASES

Aim :-

To Perform (CRUD) operations like creating, inserting, querying, finding, deleting operations on graph spaces,

CREATE - Nodes of Relationships

```
CREATE (s1; student s1; d; s1, name 'Sanjay', age = 22
```

```
CREATE (s2; student 2; d; 2, name, name 'Rajul',  
age = 23}
```

```
CREATE (c1; course s1; id; 101, name 'computer science 2)
```

```
CREATE (c2; course s1; id; 102, name 'Data structures 2');
```

```
CREATE (s1) - [ENROLLED-IN] -> (c1)
```

READ - Query data

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

```
RETURN s.name, c.name;
```

Output;

Sanjay - computer science

Rajul. -> data structure

update

```
MATCH (s; student sname 'sanjay')
```

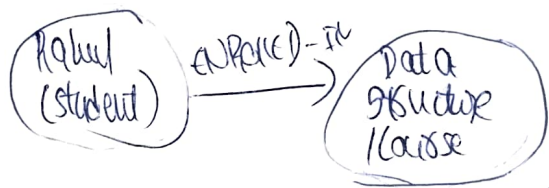
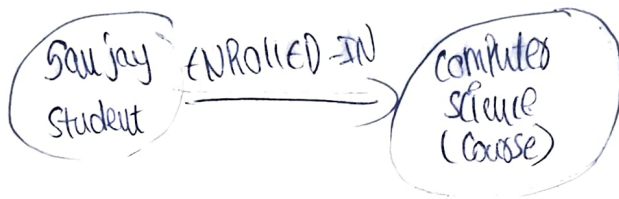
```
set s.age = 22, s.city = 'Hyderabad'
```

```
Return;
```

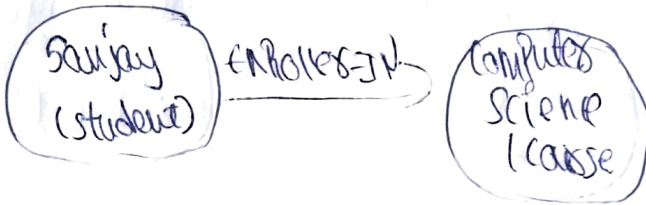
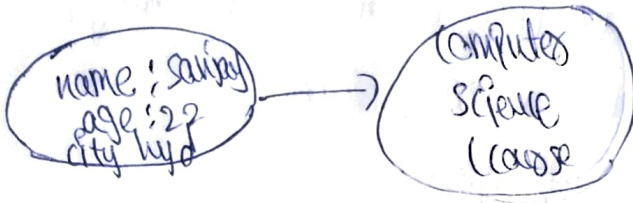
name, sanjay

age, 22 - computer science

city, hyd



update



DELETE

M/JCH [S: student Sname; 'Rahul'] ?  
[X: ENROLLED = u] → [1, course]

DELETE

Ganraj - ENROLLED - IN → Computer science.

VEL TECH	
EX NO.	11
PERFORMANCE (5)	7
RESULT AND ANALYSIS (3)	3
VIVA VOCE (3)	5
RECORD (4)	
TOTAL (15)	15
SIGN WITH DATE	

VEL TECH - CSE	
EX NO.	
PERFORMANCE (5)	
RESULT AND ANALYSIS (3)	
VIVA VOCE (3)	
RECORD (4)	
TOTAL (15)	
SIGN WITH DATE	

VEL TECH -	
EX NO.	
PERFORMANCE (5)	
RESULT AND ANALYSIS (3)	
VIVA VOCE (3)	
RECORD (4)	
TOTAL (15)	
SIGN WITH DATE	

20/10/2

Result:-

The implementation of CRUD operation (i.e. creation updating, inserting & deleting, operations using asp.net) is successfully executed.