Mask 11:-

CRUD operations in Graph Dalabase.

ASMI

nserting, quarying, tinding, deleting operations on graph spaces.

create Node with properties:
properties are the key values pair using with a node stores data. You can create a node with properties using the CREATE clause. You need to specify these properties separated by commas within the flower braces "i'y".

Syntax:-

tollowing is the syntax to create a node with properties.

CREATE (node: lable [Key 1: value, Key 2: value, --- 3).

Returning the created Node:To verify the created of the node, type and execute the tollowing query in the dollar prompt.

MATCH (1) RETURN n.

«create Relationship. We can create a relationship using the CREATE clause. We will specify relationship within the Square braces [] depending on the direction of the relationship it is placed between hypen"-" and arrow ">" as shown in the tollowing syntax. syntax:tollowing is the syntax to create a relationship using the CREATE clauses. CREATE (noduci) - [: Relationship Type] -> (nodu 2). creating a Relationship Between the existing Modus:you can also create a relationship between the existing nodes using the MAJCH clause. Syntax:tollowing is the syntax to create a relationship using the MATICH clause. TTATICH (a: label o+ Node), (b: label o+ Node 2) WHERE a name = "Name of node 1" AND b. name = "name of Node 2". CREATE (a) - [: Relation] -> (b) RETURN a,b, Delecting a particular Node:-

To delite a particular node, you need to specify the details of the nodes in the place of in the above query.

```
syntax:-
following is the syntax:-
MATCH (node: label & properties ... 3)
DETACH DELETE Mode.
create a graph database for students course
registration, create students and dept node
and Insert values of properties.
create (n: student (sid: "VTU14500",
   sname: "john".
  diptname: "CSE"}
output:
Added lable, created Inode, Set 3 properties,
completed after 232 ms.
create (n: student ésid: "VTU 14501",
  sname: "Pharsana",
   deptrame " " EEE " 3).
output:-
Added I lable, created I node, Set 3 properties,
Completed after 12 ms.
Create (n: dept name: "CSE", deptid: "door" 3)
 Output:
 Added | lable, Created 1 Noole, Set 2 properties,
 Computed after 72 ms.
```

select all nodes in your database using
match command
" match (n) return(n)
outpution
(vijay)
(CSE) (Dranson
John
* match (n: student) return(n)
output:
(vijay) (Dharsana)
John
(a) Create relationship between studied and CSE
MATCH(s: Student), d: dept) where S. Sname =
"vijay' AND didupt name = "CSE"
CREATE (S) - [st: Student-A'] - S(d)
return S, d.
output:-
CESE Studied At
(vijay)

