crup operations in Groph potobase

Aim:

To perform crub operations like creating, incher ting, querying, tinding, deleting operations or graph spaces.

proporties are the key-values pairusing with a rode stores data. You can create a rodes with properties using the erent estance.

You need to specify these properties separated by commas within the Hower braces "()".

following is the syntax to create a node with properties CREATE (node: lable & key 1; Value, key 2: Value,

\* Returning the created Node: To verify the created of the node , type and execute the following gracy in the dollar prompt.

MATCH(N RETURN).

\* create relationship:

We can create a relationship using the CREATE douce. We will specify relationship within the square braces"[]" depending on the direction of the relationship et es placed between hyphen"-" and arrow" -> " as shown en the following syntax:

following is the syntax to create a relationship using the CREATE clouse.

CREATE (node 1) -[: Pelation ship Type] -> (node 2)

Motoreating a Relationship Between the enisting Nodes: you can also create a relationship between the existing nodes using the inatest clouse. syntax: following of the syntax to create a relation ship using the match clause. MATCH (a. Labert Nodei), (b: Laber Hodes) WHERE a name = "name of node 1" AND b-rame = "name of rode 2". CREATE (a) -[: Relation] -> (b) RETURN a, b. Delecting a particular Node: -To deleate a particular node , you need to specify the details of the nodes on the place of "n" on the above query. Syntax: following 11 the syntax:mATCH (node: label & properties .... DETACH DELETE mode Create a graph dotabase for students course registration, eneste students and dept node and insert values of properties. create (n: ctudent(sid: "/1TU 14506", snancijohn! deptrame: "CSE"4 output! -

Added 1 lable, created 1 rode, set 3 properties, Completed after 232 ms.

create (n: student & sid: "VTU 14501", Snane: "Phancana", deptrame: "EEE"})

Added I lable, created I rude, Set 3 proporties, complected after 12 ms. créate (n: dept rame : "CSE", dept 10: "doois) output: -Added 1 lable, created 1 rode, set 2 properties, completed after 72 mg select all nodes on your database using match command \* match(n) return(n) output:-Bharcana \* watch (n: student) return (s) output:-(Dhansana) @ create relationshop between student and use MATCH(s: students), (d:dept) Where s. sname = 'vijay' AND dideptrame = 'cse' CREATELD Let: Grodent\_ At]->(d) return sid. output:

Cice studied no Vijou

