Task 9: CRUD Operation in graph databases   9.5

Aim:

To Perform crud operations like creating, inserting, operating, finding, deleting operations on graph spaces

create node with Properties

Properties are the key value Pairs using which a node stores data. check a node with pro-perties using the CREATE clause and need to specify those Properties

Syntax:

CREATE (node:label{key :: value, key2: value ----})
return node

To verify the creation of node, type and execute the following query on dollar Prompt

Syntax:

MATCH () Return

creating relationships

To create a relationship using the create close and specify relationship within the square braces "[]", depending following syntax

Syntax:
Match (a:labeled node) (b:labeled node)
where a name = 'name of node 1' And b.name = 'name
d node 2'
CREATE (a) - [Relation] - (b) Return a,b

Deleting a Particular node:
To delete a Particular node and need to specify
the details of node in place in 4 in above aquery

Syntax:
MATCH (node: label Properties --3) Delete node

create a cricket board node:

create ((cb:crecket board £board D; B10 01; name:
chennav cricket board', Address: chennai ph 88788991)
return cb.

create team nodes:

create (L1:Team£team IDs 'CC B0', Board ID: B1D01,
name 'ABE Express', coact: 'G·D Ramesh', captain h:
sampath kuma, 3) return t1

create (t2: team£team ID: 'CC B02', Board 7D B7D2).
y·JOHN 3) return t2.

create Player nodes:

create (Pt. Player 7D: 1's Team ID "CCB01', Name: Raj'
Age: 23, Date of birth: 22-Jan-1996, Playing Role
Bowenly
return P1

create (P2:Player ID "3", Team ID, TeamID "CCB01
Name 'Anand, Age: 23 Date of birth-2 Jun 1999
Playing Role 1 Batsman3)
  return P2.
create (P3 Player ID "65", Team ID 'CCB02', Name
  Search 'Age:27 date of birth -2-June 1996
  Playing Role 'Bats man' 3)
  return P3.

creating relationship among cricket board and
Team.

Match (cb: cricket board & board ID 'BID 01'3)
[M]. Team team ID 'CCB01'3) create (cb) (r kc),
return cb, r, t

Match (cb-cricket board & board ID 'BID01'3)
team [team ID 'CCB02)
create (cb)-[r-kc]->(ta) return cb, r, t2

Output

Retrieve Particular details.

match (P:Players & Player ID: 3'3)
  return P

update Particular Player details
match (P:Player ID:0 set P-age '27set
  return P

delete Particular Player from team
match (P.Player:E Player:ID :333)
   delete P.

Result:

Thus the CRUD operations like creating, inserting
query, finding deleting operation on graph space
was executed successfully