DBMS LAB

Week 2

Name : Abhishek Aditya BS

SRN: PES1UG19CS019

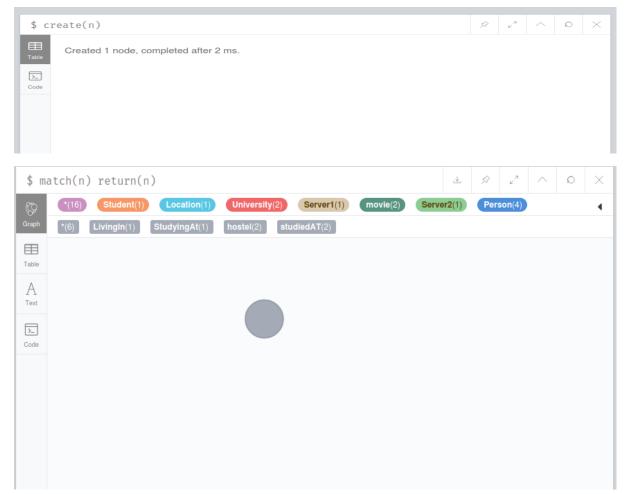
Section : A

Semester: 5th

1. Create node and relationships

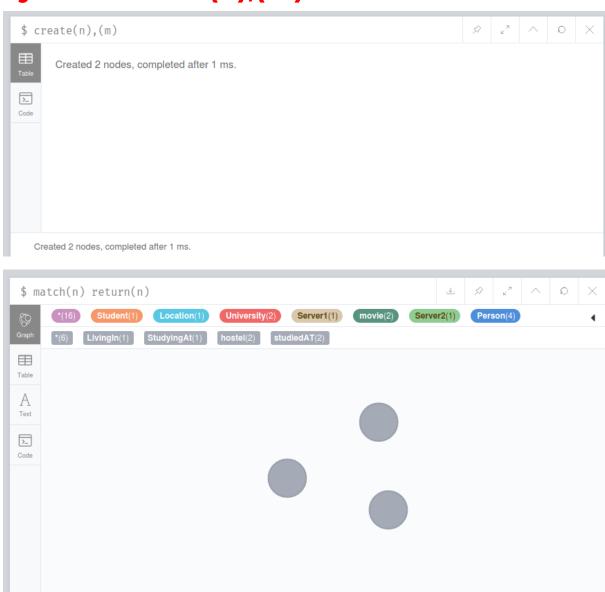
1.1 Create a single node:

Syntax: create (n)



1.2 Create multiple nodes

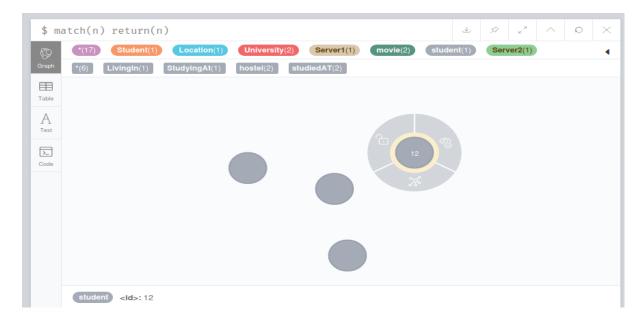
Syntax: create(n),(m)



1.3 Create a node with a label

Syntax: create(n:label name)

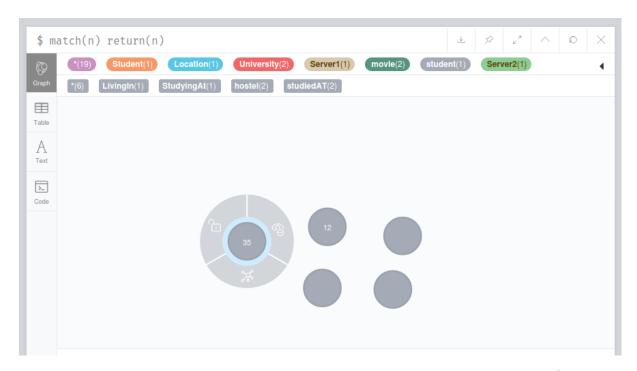




1.4 Create a node with multiple labels

Syntax: CREATE (n:label1:label2)

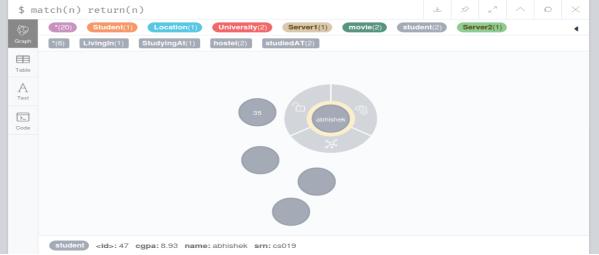




1.5 Create node and add labels and properties Syntax: Create(n:lablename {properties and

values})



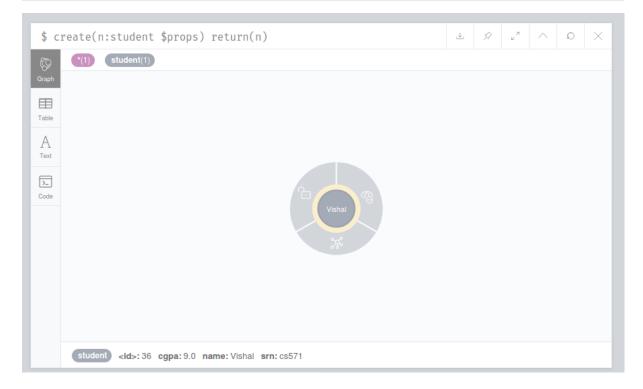


1.6 Create nodes with parameters as properties Syntax: Define the property with parameter name.Add the parameter using the create clause CREATE (n:Person \$props) RETURN n

```
$ :params {"props":{"name": "Vishal",srn:"cs571",cgpa:"9.0"}}

{
    "props": {
        "name": "Vishal",
        "srn": "cs571",
        "cgpa": "9.0"
    }
}

See ② :help param for usage of the :param command.
```



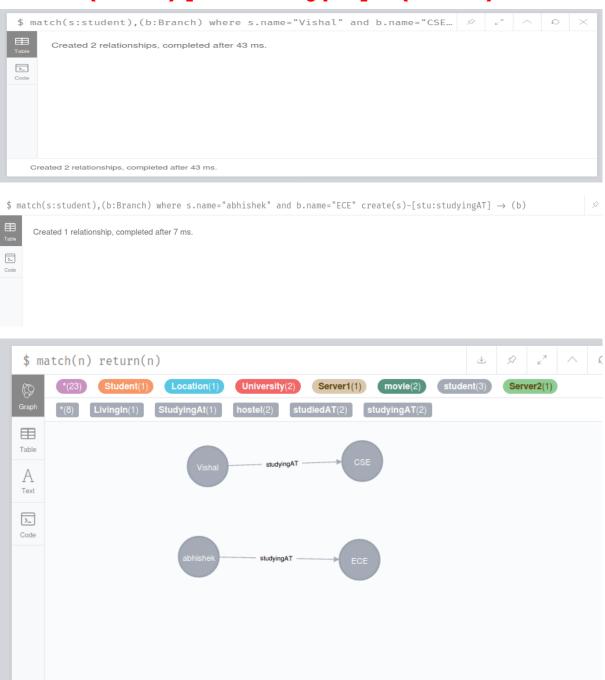
2. Create Relationships between the nodes

Syntax:

Match (node1), (node2)

Where condition

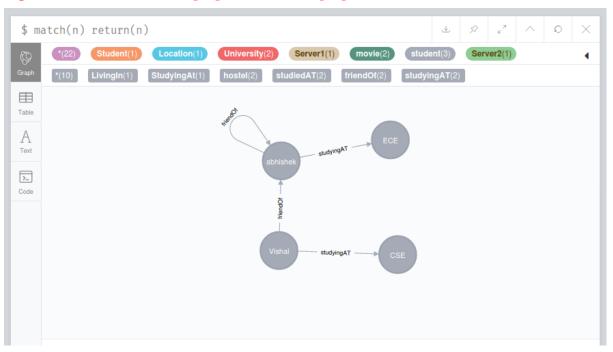
Create (nodel) [relation type] -> (node2)





3. Read nodes and attributes (Node finding)3.1 Get all nodes

Syntax: Match(n) return(n)



3.2 Get all nodes with a label

Eg: MATCH (movie:Movie) RETURN movie.title



3.3 Related nodes

Eg: MATCH (director {name: 'Oliver Stone'})--(movie)
RETURN movie.title



4 Update or set a value

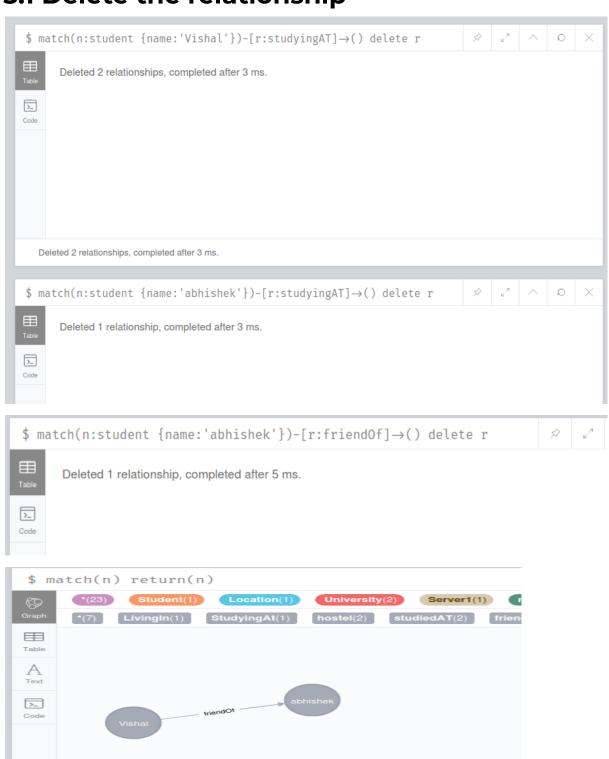
Syntax: MATCH (n:Node)

Set n. propertyvalue = 'newvalue'



5. Delete operation

5.1 Delete the relationship



5.2 Delete the node

Syntax: Match(n) delete (n)

