DBMS LAB WEEK 2

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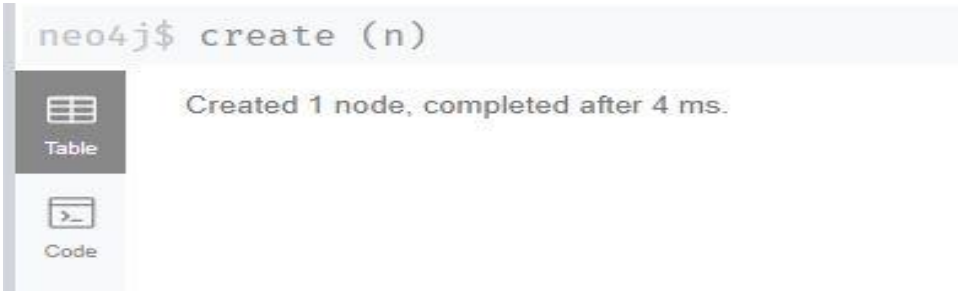
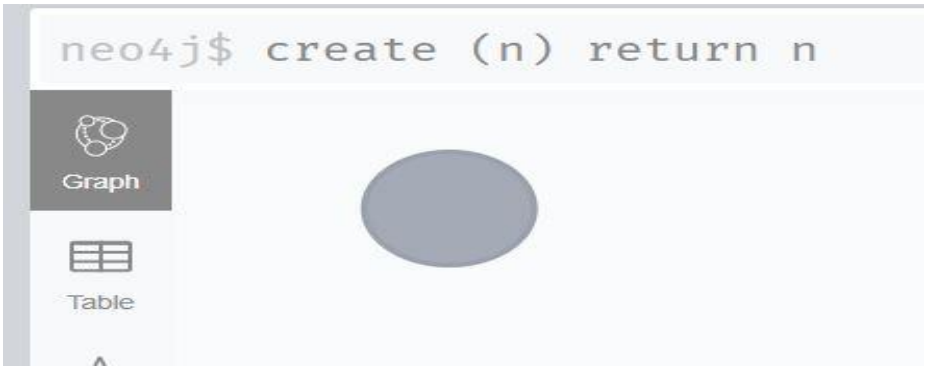
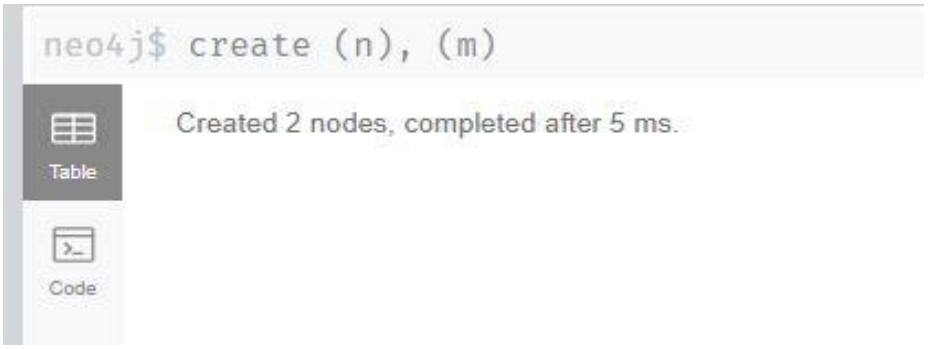
SECTION: D

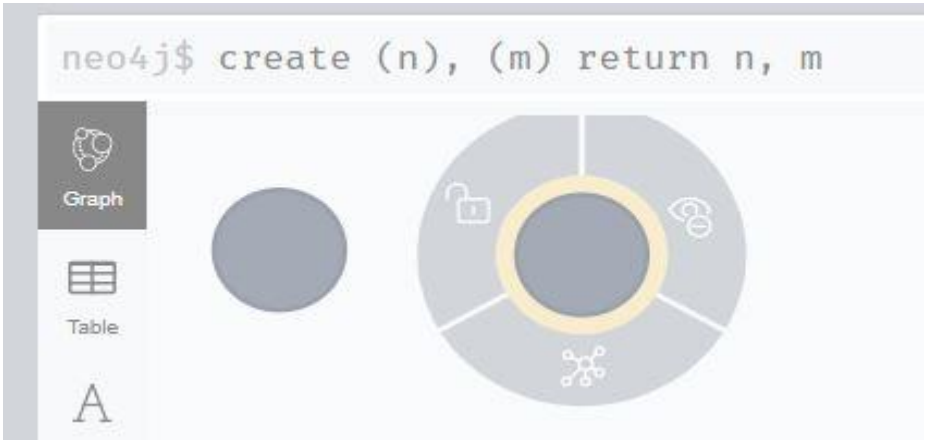
1. **<u>Create node with varying fields.</u>**
    - Creating Single Node



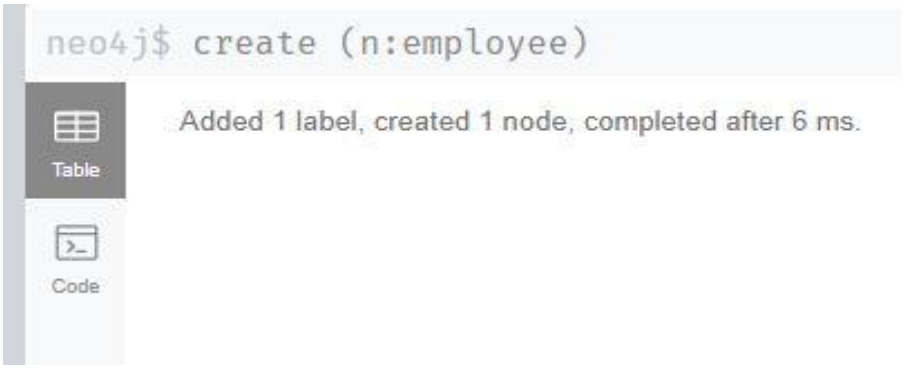


    - Creating Multiple Nodes

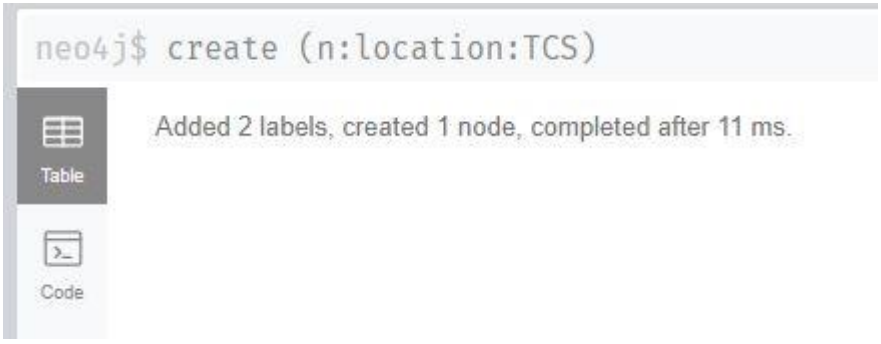


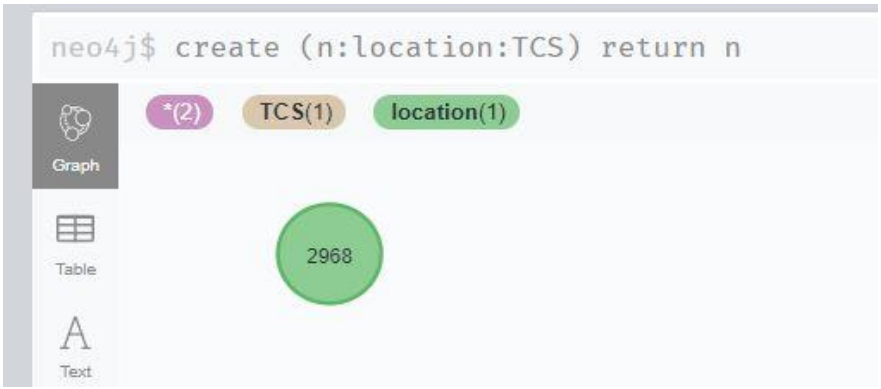


- Creating Node with Label

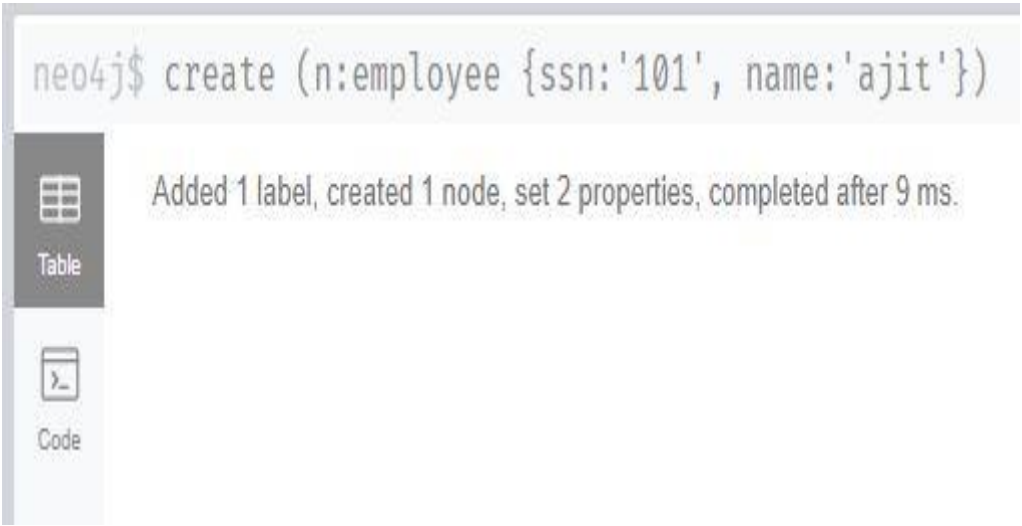


- Creating Node with Multiple Labels

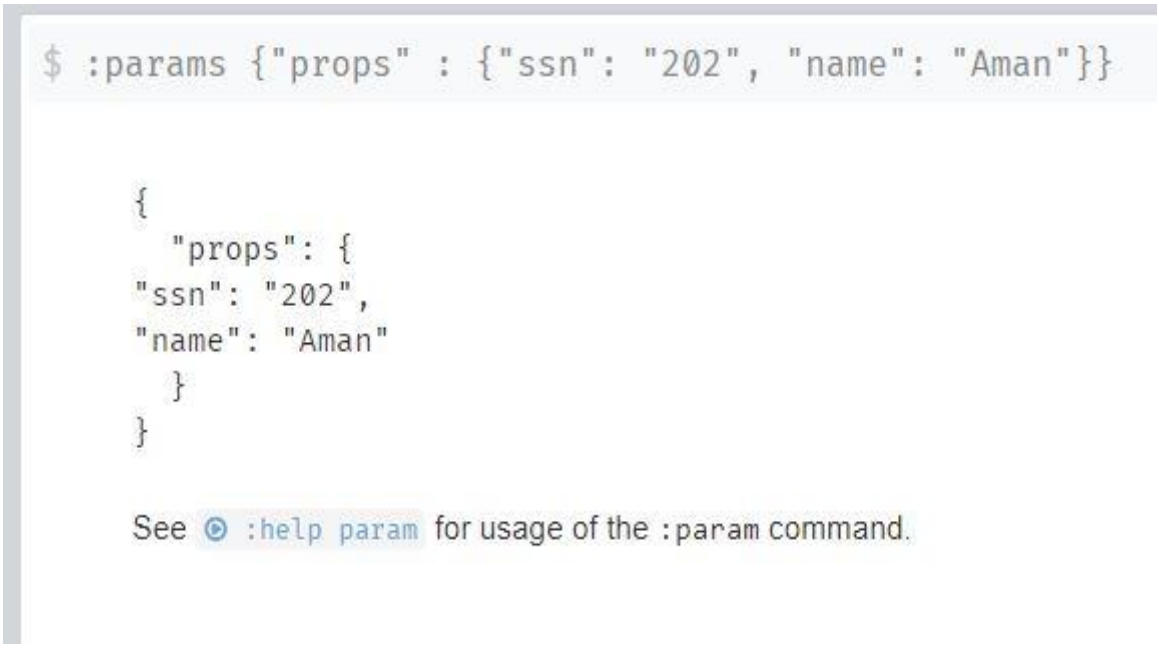




- Creating Node and Adding Labels and Properties



- Creating Node with Parameters as Properties



2. Add relationships between the nodes

```
neo4j$ create (n:Department {dept_name:'Testing', year:'4'})
```

Table

Code

Added 1 label, created 1 node, set 2 properties, completed after 36 ms.

```
neo4j$ create (n:Department {dept_name:'Testing', year:'4'}) return n
```

Graph

Table

Text

*(1) Department(1)

```
neo4j$ create (n:Department {dept_name:'Designing', year:'6'})
```

Table

Code

Added 1 label, created 1 node, set 2 properties, completed after 19 ms.

```
neo4j$ create (n:Department {dept_name:'Designing', year:'6'}) return n
```

Graph

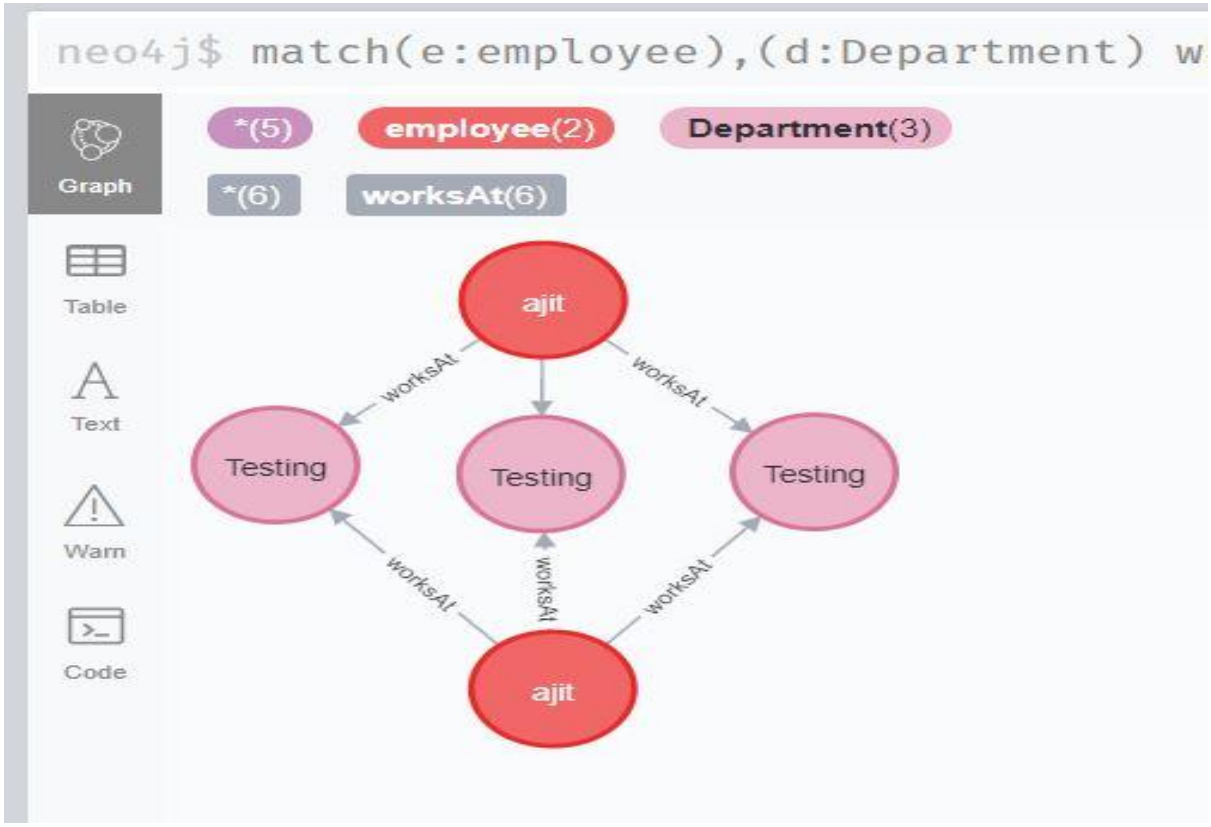
Table

*(1) Department(1)

```
neo4j$ match(e:employee),(d:Department) where e.name='ajit' and d.dept_name='Testing' create(e)-[emp:worksAt] → (d)
```

Table

Created 6 relationships, completed after 82 ms.



3. **Retrieve nodes:**

```
neo4j$ match(n:employee) return n.ssn
```

	n.ssn
1	*null*
2	"101"

```
neo4j$ match(Department {dept_name: 'Testing'}) -- (employee) return employee.name
```

	employee.name
1	"ajit"

4. **Delete values:**

```
neo4j$ match(n:employee {name:'ajit'})-[r:worksAt] → () delete r
```

Deleted 24 relationships, completed after 30 ms.

```
neo4j$ match (n:employee {name:'jack'}) delete n
```

Deleted 1 node, completed after 20 ms.