

NO SQL LAB - 6

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CREATING NODES -

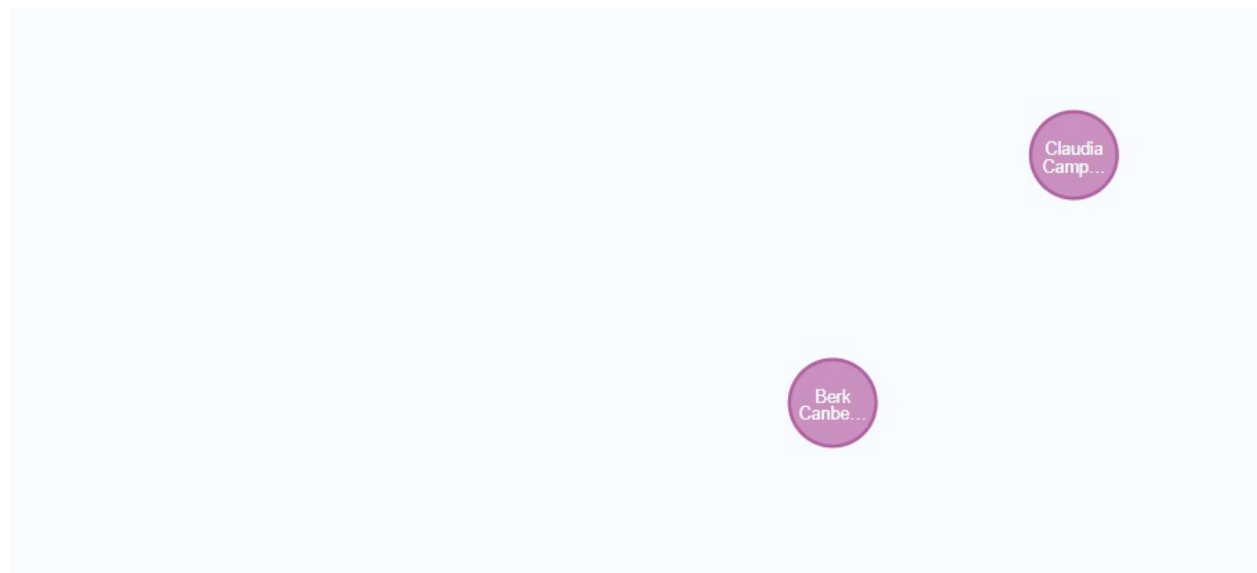
neo4j@bolt://localhost:7687/neo4j - Neo4j Browser

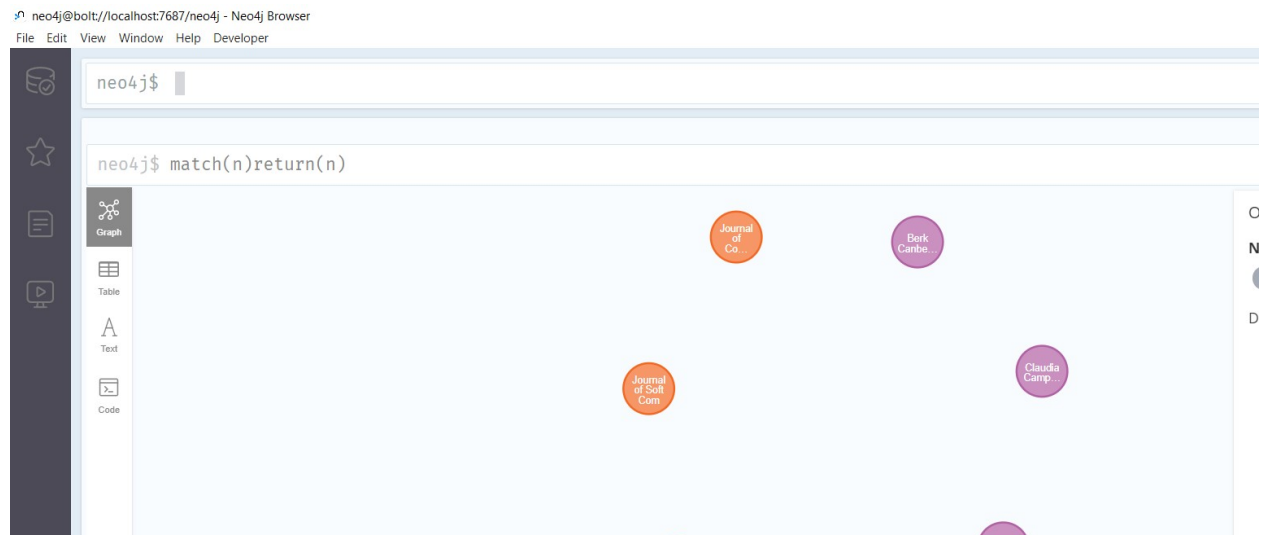
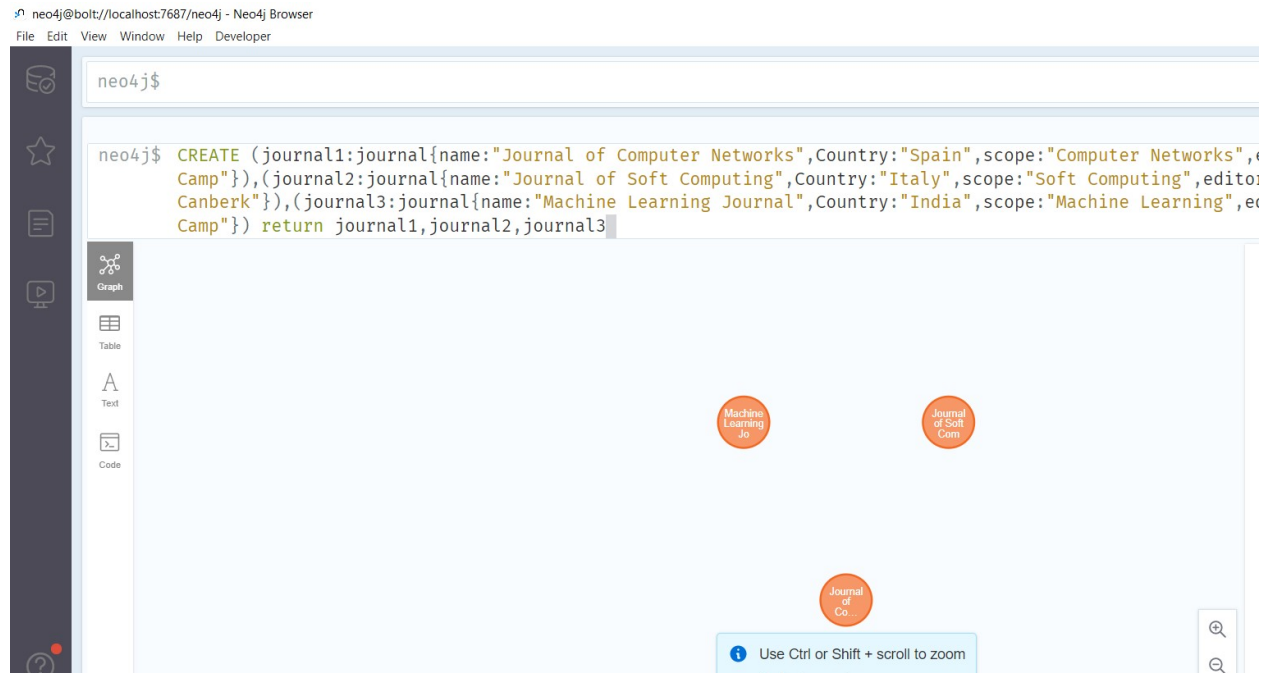
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neo4j\$

```
neo4j$ CREATE (research1:researcher{name:"Angelos Antonopoulos",institution:"Catalonia Technological Centre of Telecommunications",Country:"Spain",research:"Machine Learning"}),(research2:researcher{name:"Joseph Camp",institution:"Southern Methodist University",Country:"United States",research:"Computer Networks"}),(research3:researcher{name:" Claudia Campolo",institution:"University of Reggio Calabria",Country:"Italy",research:"Machine Learning"}),(research4:researcher{name:"Berk Canberk",institution:"Istanbul Technical University",Country:"Turkey",research:"Soft Computing"}) return research1,research2,research3,research4
```

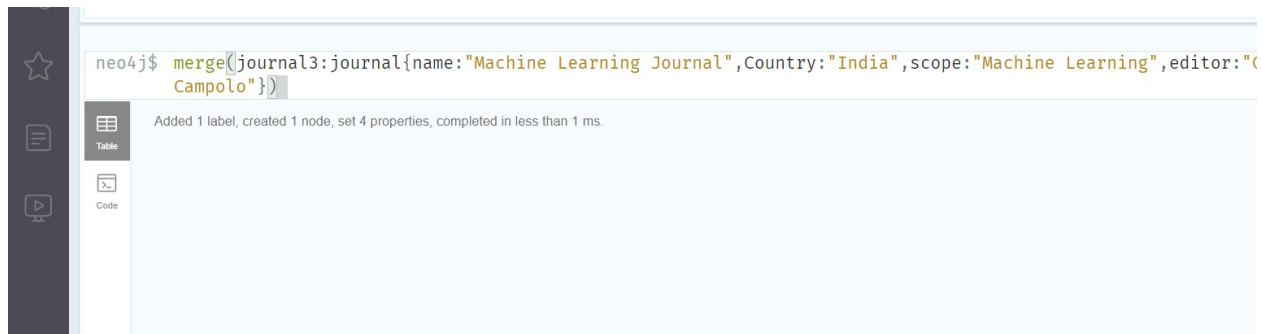
research1	research2	research3	research4
<pre>{ "identity": 7, "labels": ["researcher"], "properties": { "institution": "Catalonia Technological Centre of Telecommunications", "name": "Angelos Antonopoulos", "Country": "Spain", </pre>	<pre>{ "identity": 8, "labels": ["researcher"], "properties": { "institution": "Southern Methodist University", "name": "Joseph Camp", "Country": "United States", </pre>	<pre>{ "identity": 9, "labels": ["researcher"], "properties": { "institution": "University of Reggio Calabria", "name": " Claudia Campolo", "Country": "Italy", </pre>	



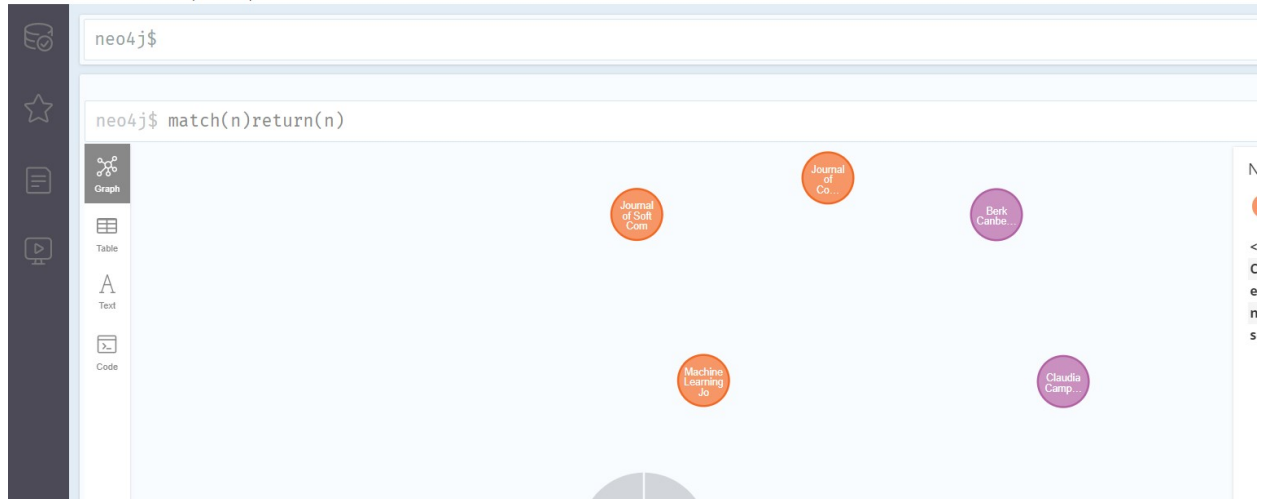


Update the created graph with the following information:

1. Update the editor name as “Claudia Campolo” for Machine Learning Journal and update the relationship using merge command



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2. Create a path from “Angelos Antonopoulos” to “Claudio Campolo” through machine learning journal

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3. Use merge command to create the following new nodes

```
neo4j$ merge (research1:researcher{name:"John McLay",institution:"IIT-Delhi",Country:"India",research:"Artificial Intelligence"})
```

Added 1 label, created 1 node, set 4 properties, completed in less than 1 ms.

```
neo4j$ merge(journal4:journal{name:"Journal of Applied Intelligence",Country:"India",scope:"Artificial Intelligence",editor:"John McLay"})
```

Added 1 label, created 1 node, set 4 properties, completed after 2 ms.

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```
neo4j$ match(n) return(n)
```

4. Set a new property "age" to all the researcher nodes and set default value as 50.

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```
neo4j$
```

```
1 MATCH (n {name: 'Angelos Antonopoulos'})
2 SET n.age = toString(50)
3 RETURN n.name, n.age
```

n.name	n.age
"Angelos Antonopoulos"	"50"

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neo4j\$

```
1 MATCH (n {name: 'Joseph Camp'})
2 SET n.age = toString(50)
3 RETURN n.name, n.age
```

n.name	n.age
"Joseph Camp"	"50"

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neo4j\$

```
1 MATCH (n {name: 'Berk Canberk'})
2 SET n.age = toString(50)
3 RETURN n.name, n.age
```

n.name	n.age
"Berk Canberk"	"50"

5. Remove the node “Joseph Camp”

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neo4j\$

```
neo4j$ MATCH (research2:researcher{name:"Joseph Camp",institution:"Southern Methodist University",Country:"Unite
```

Deleted 1 node, completed after 3 ms.