

**PES UNIVERSITY, RR CAMPUS**  
**CSE – FIFTH SEM**  
**DBMS LAB – WEEK 2**

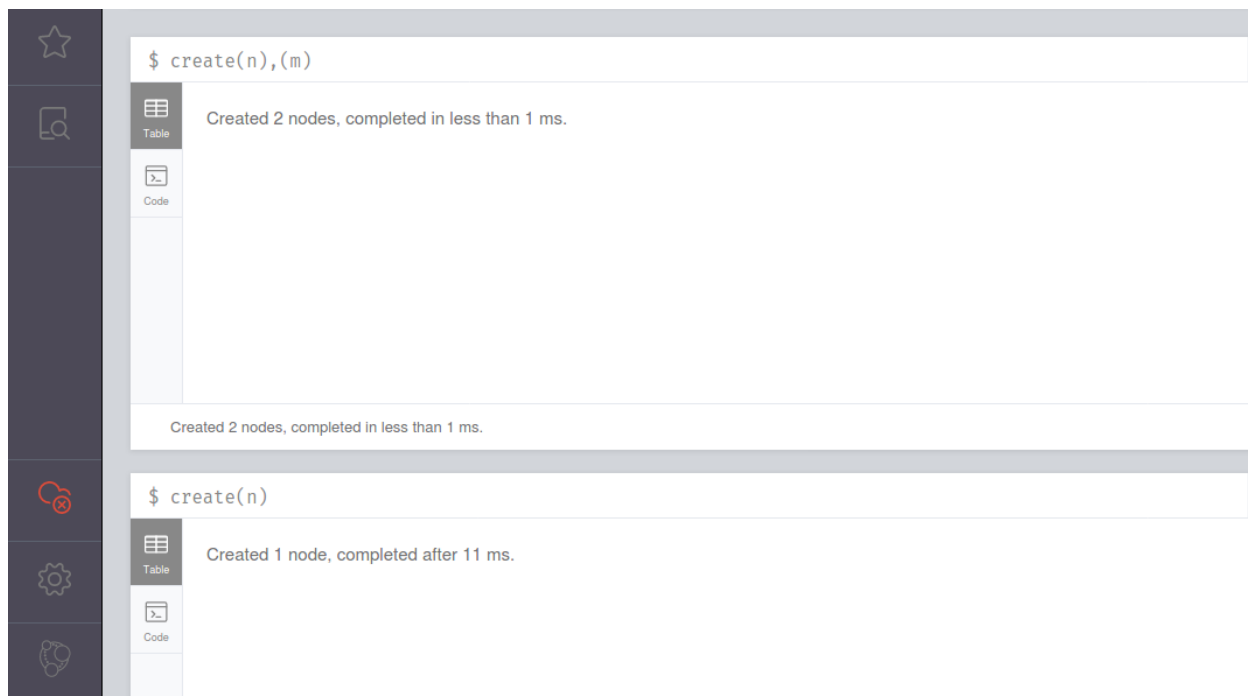
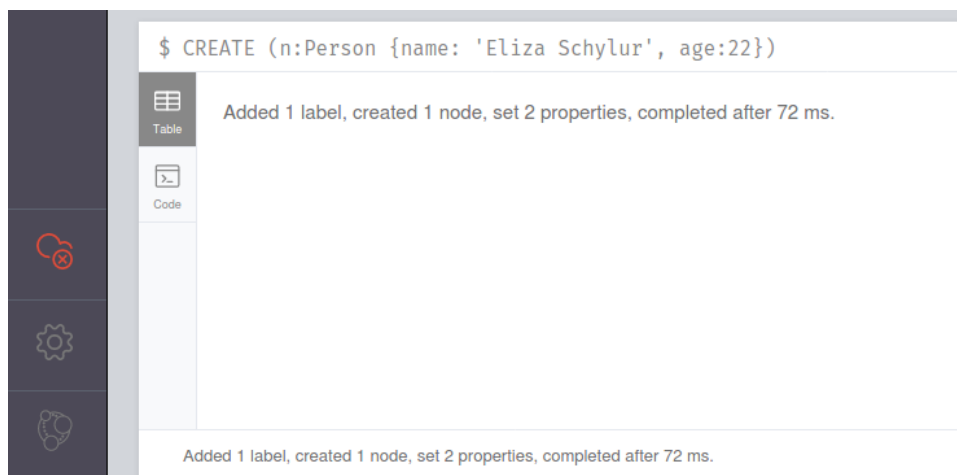
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**SECTION: A**

**SRN: PES1UG19CS058**

**DATE – 2ND SEPTEMBER 2021**

## 1. Create Nodes



The screenshot shows a Neo4j Cypher query interface with a dark sidebar on the left containing icons for a star, a person, a red circular arrow, a gear, and a brain. The main area displays two queries and their results.

**Query 1:**

```
$ CREATE (n:Person:Indian)
```

**Results:**

Table
Added 2 labels, created 1 node, completed after 2 ms.

Added 2 labels, created 1 node, completed after 2 ms.

**Query 2:**

```
$ CREATE (n:Person)
```

**Results:**

Table
Added 1 label, created 1 node, completed after 11 ms.

Added 1 label, created 1 node, completed after 11 ms.

```
1 :params props: {  
2   "name" : "Andy",  
3   "position" : "Developer"  
4 }
```

The screenshot shows a Neo4j Cypher query interface with a dark sidebar on the left containing icons for a star, a person, a red circular arrow, a gear, and a brain. The main area displays a query and its result.

**Query:**

```
$ CREATE (n:Person {name: 'Eliza Schylur', age:22})
```

**Results:**

Table
Added 1 label, created 1 node, set 2 properties, completed after 72 ms.

Added 1 label, created 1 node, set 2 properties, completed after 72 ms.


## 2. Relationships between the nodes



The screenshot shows the Neo4j Browser interface. The Cypher query editor contains the following code:

```
1 Match(u:Person),(p:Person)
2 Where p.name="Angelica Schylur" and u.name="Eliza Schylur"
3 Create(u)-[stu:sisterOF] -> (p)
```

The query is executed, and the results pane shows the message: "Created 1 relationship, completed after 12 ms."

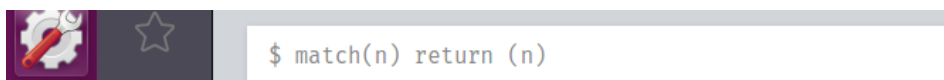


The screenshot shows the Neo4j Browser interface. The Cypher query editor contains the following code:

```
1 Match(u:Person),(p:Person)
2 Where p.name="Peggy Schylur" and u.name="Eliza Schylur"
3 Create(u)-[stu:sisterOF] -> (p)
```

The query is executed, and the results pane shows the message: "Created 1 relationship, completed after 280 ms."

## 3. Read Nodes and Attributes



The screenshot shows the Neo4j Browser interface. The Cypher query editor contains the following code:

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



\$ MATCH (p:Person) RETURN p.age	
Table	<b>p.age</b>
Text	24
Code	null
	null
	null
	22
	18
Started streaming 6 records after 1 ms and completed after 2 ms.	

## 4. Update Node Values

\$ MATCH (p:Person) Set p.age = 20	
Table	Set 6 properties, completed after 47 ms.
Code	

\$ MATCH (p:Person) RETURN p.age	
Table	<b>p.age</b>
Text	20
Code	20
	20
	20
	20
	20
	20
Started streaming 6 records after 1 ms and completed after 1 ms.	

## 5. Delete Nodes

```
$ MATCH (n:Person {name: 'Peggy Schylur'}) DETACH DELETE n
```



Table



Code

Deleted 1 node, deleted 2 relationships, completed after 29 ms.

```
$ MATCH (n) DETACH DELETE n
```



Table



Code

Deleted 14 nodes, deleted 9 relationships, completed after 7 ms.