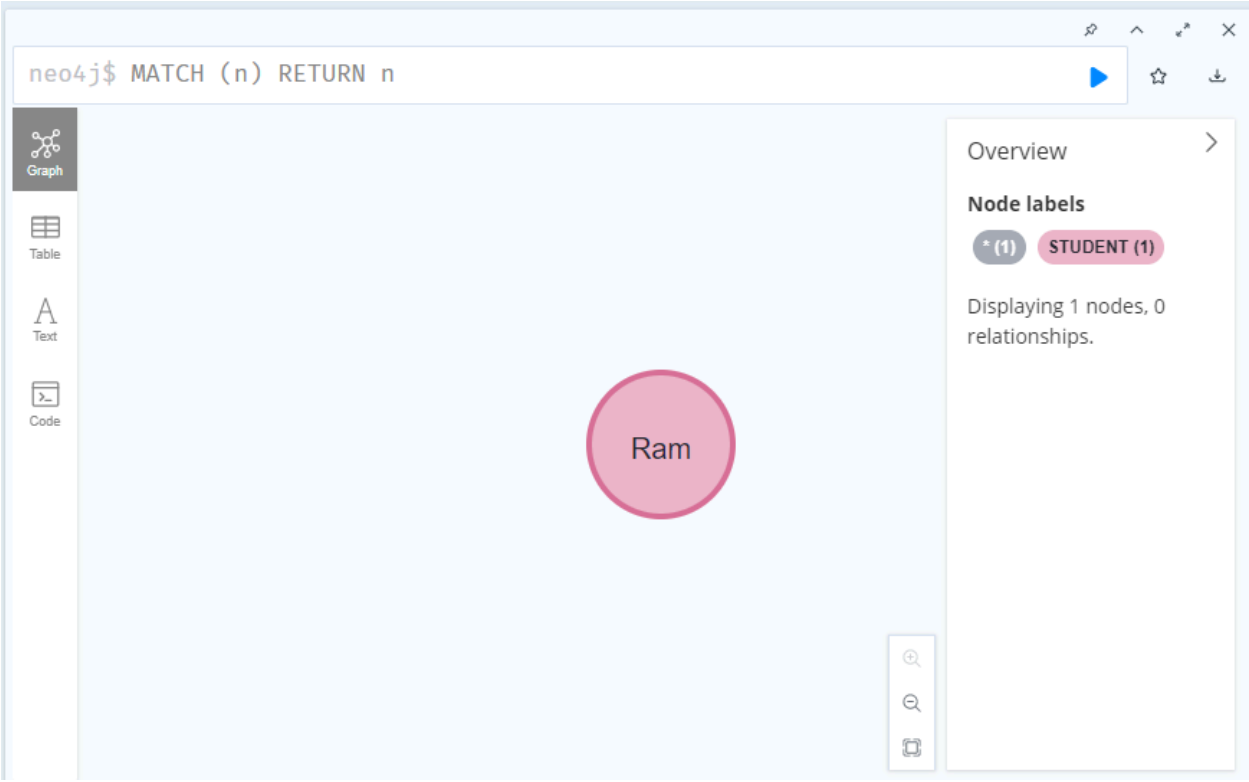
EXPERIMENT-2

Neo4j

Code with Screenshots:

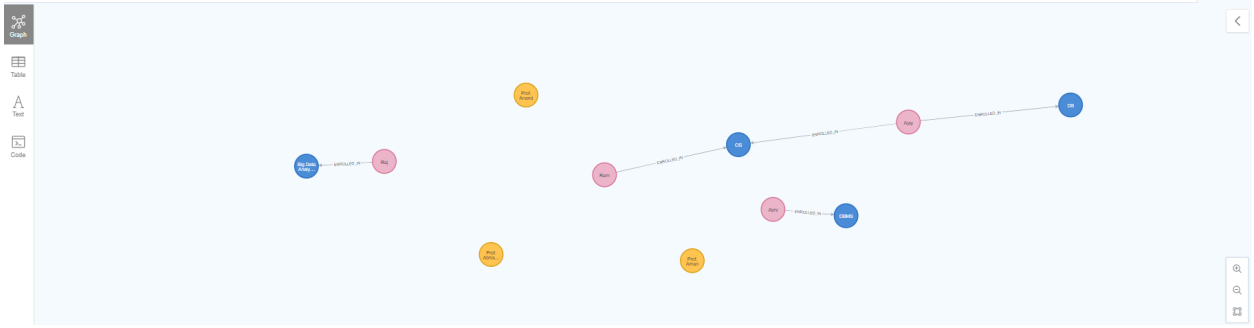



neo4j$ CREATE (a:STUDENT {name:"Abhi" , id: 14})
Table
Code
Added 1 label, created 1 node, set 2 properties, completed after 6 ms.
Added 1 label, created 1 node, set 2 properties, completed after 6 ms.

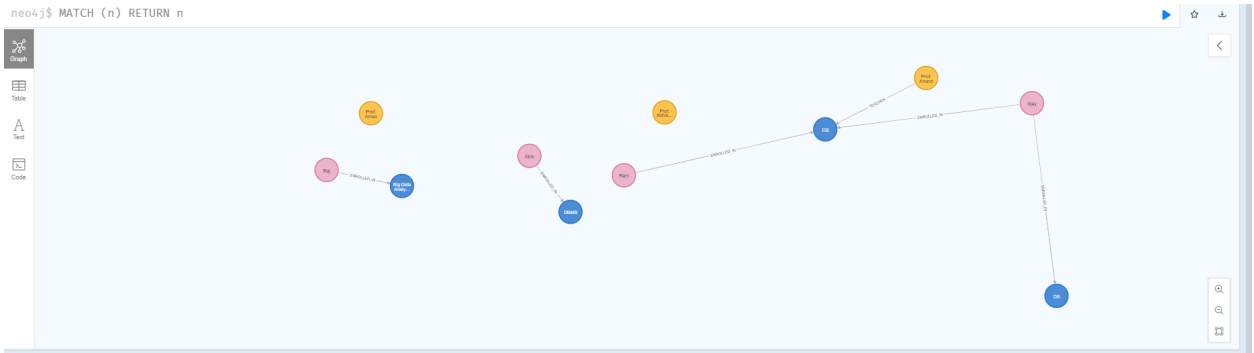

neo4j$ CREATE (a:STUDENT {name:"Raj" , id: 13})
Table
Code
Added 1 label, created 1 node, set 2 properties, completed after 6 ms.
Added 1 label, created 1 node, set 2 properties, completed after 6 ms.


neo4j$ CREATE (a:STUDENT {name:"Ajay" , id: 15})
Table
Code
Added 1 label, created 1 node, set 2 properties, completed after 6 ms.
Added 1 label, created 1 node, set 2 properties, completed after 6 ms.

```
neo4j$ MATCH (n) RETURN n
```



```
neo4j$ MATCH (n) RETURN n
```

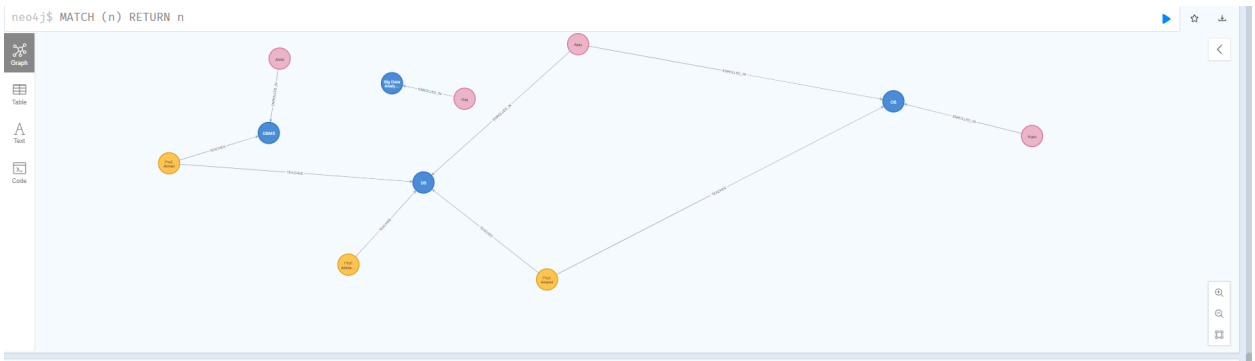


```
neo4j$ MATCH (a:TEACHER) , (b:COURSE) where a.name = "Prof. Anand" AND b.name = "OS" CREATE (a)-[r:TEACHES]→(b)
```

Created 2 relationships, completed after 12 ms.

Created 2 relationships, completed after 12 ms.

```
neo4j$ MATCH (n) RETURN n
```



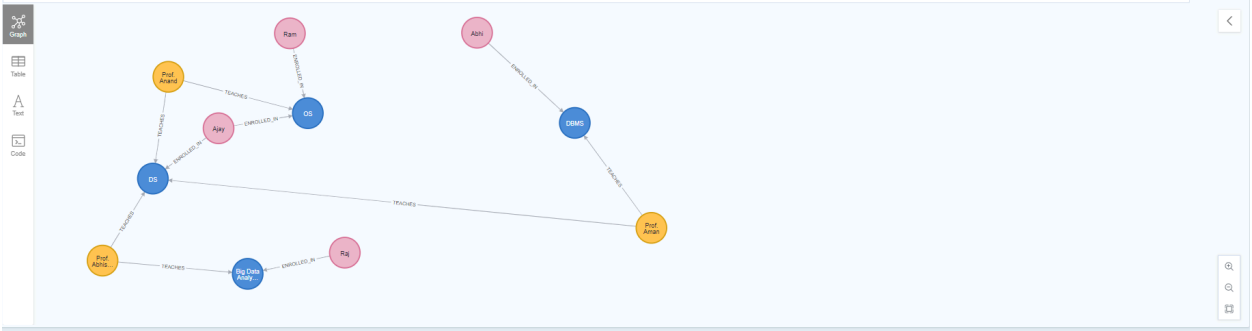
```
neo4j$ MATCH (a:TEACHER) , (b:COURSE) where a.name = "Prof. Aman" AND b.name = "DBMS" or b.name = "DS" CREATE (a)-[r:TEACHES]→(b)
```

Created 4 relationships, completed after 12 ms.

Created 4 relationships, completed after 12 ms

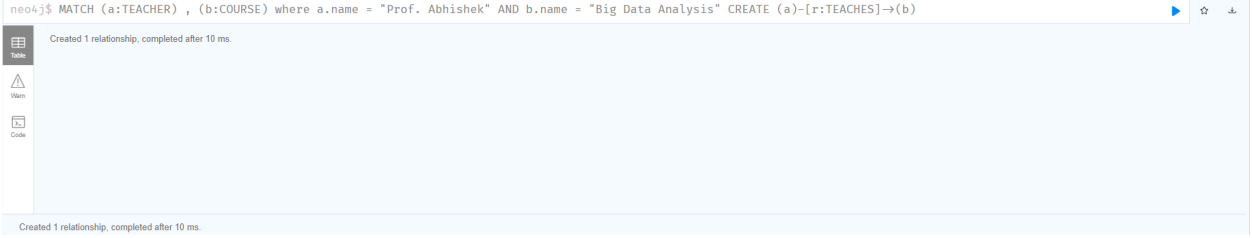
```
neo4j$ MATCH (a:STUDENT {name:"Ajay"}) SET a.id = 21 RETURN a
```


```
neo4j$ MATCH (n) RETURN n
```

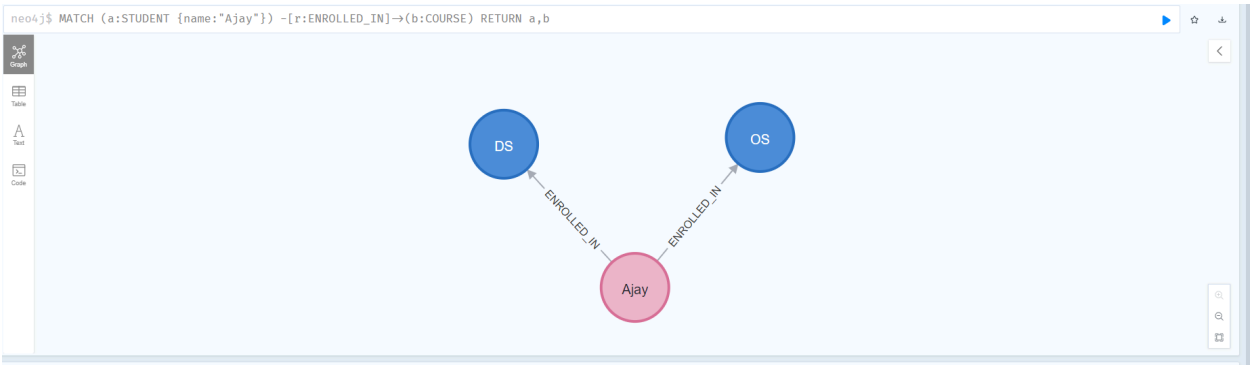



```
neo4j$ MATCH (a:TEACHER) , (b:COURSE) where a.name = "Prof. Abhishek" AND b.name = "Big Data Analysis" CREATE (a)-[r:TEACHES]->(b)
```

Created 1 relationship, completed after 10 ms.




```
neo4j$ MATCH (a:STUDENT {name:"Ajay"}) -[r:ENROLLED_IN]->(b:COURSE) RETURN a,b
```

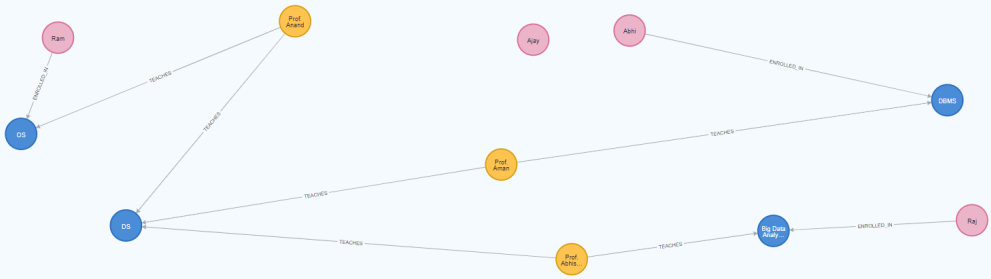


```
neo4j$ MATCH (n) DETACH DELETE n
```

Deleted 12 nodes, deleted 11 relationships, completed after 8 ms.

Deleted 12 nodes, deleted 11 relationships, completed after 8 ms.

```
neo4j$ MATCH (n) RETURN n
```




```
neo4j$ MATCH (a:STUDENT{name: "Ajay"})-[r]-(b) DELETE r
```

Deleted 3 relationships, completed after 41 ms.

Deleted 3 relationships, completed after 41 ms.

```
neo4j$ MATCH (a:TEACHER {name:"Prof. Aman"}) -[r:TEACHES]→(b:COURSE) RETURN a,b
```