Assignment 6

Himanshu Goyal(hgoyal)

1) Database:

```
CREATE (Dev:Department {title:'IT-Dev', departmentId:1, Description:'Development'})

CREATE (Himanshu:Employee {name:'Himanshu Goyal', Role:'Senior Dev'})
CREATE (Sonal:Employee {name:'Sonal Agarwal', Role:'Dev-1'})


CREATE   (Himanshu)-[:WORK_IN {role:["Senior Dev"]}]->(Dev),
  (Sonal)-[:WORK_IN {role:["Dev-1"]}]->(Dev)


CREATE (Test:Department {title:'IT-Test', departmentId:2, Description:'Testing'})

CREATE (Priyanka:Employee {name:'Priyanka Goyal', Role:'Senior Test'})
CREATE (Mona:Employee {name:'Mona Goyal', Role:'Test-1'})

CREATE   (Priyanka)-[:WORK_IN {role:["Senior Test"]}]->(Test),
  (Mona)-[:WORK_IN {role:["Test-1"]}]->(Test)



CREATE (Support:Department {title:'IT-Support', departmentId:3, Description:'Operation
Support'})

CREATE (Rituraj:Employee {name:'Rituraj Singh', Role:'Senior Support'})
CREATE (Joshita:Employee {name:'Josita Singh', Role:'Support-1'})

CREATE   (Rituraj)-[:WORK_IN {role:["Senior Support"]}]->(Support),
  (Joshita)-[:WORK_IN {role:["Support-1"]}]->(Support),
  (Himanshu)-[:WORK_IN {role:["Senior Support"]}]->(Support)


CREATE (HR:Department {title:'IT-HR', departmentId:4, Description:'Human Resource'})

CREATE (Ankita:Employee {name:'Ankita Singh', Role:'Senior HR'})
CREATE (Priya:Employee {name:'Priya Agarwal', Role:'HR-1'})
```

```
CREATE   (Ankita)-[:WORK_IN {role:["Senior HR"]}]->(HR),
 (Priya)-[:WORK_IN {role:["HR-1"]}]->(HR),
 (Rituraj)-[:WORK_IN {role:["Lead HR"]}]->(HR)
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2) Return All the nodes.

```
Match(x) Return x
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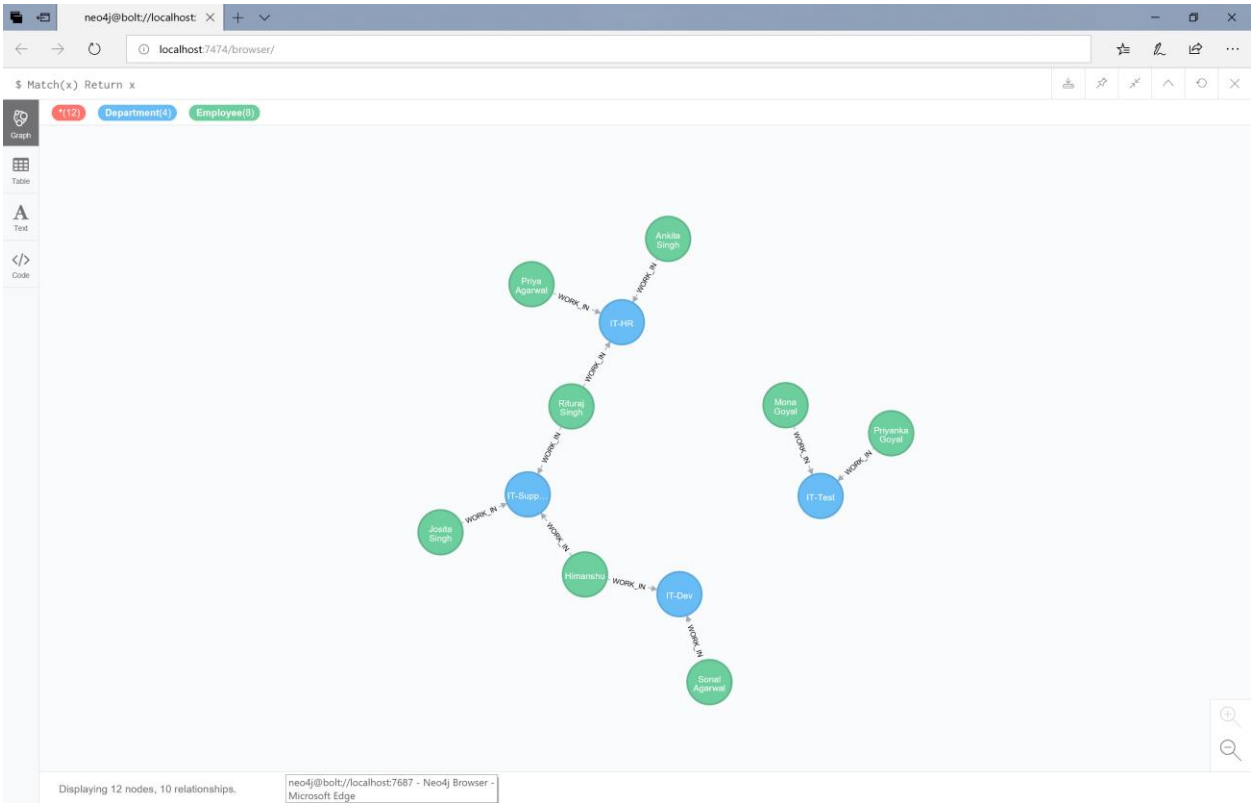
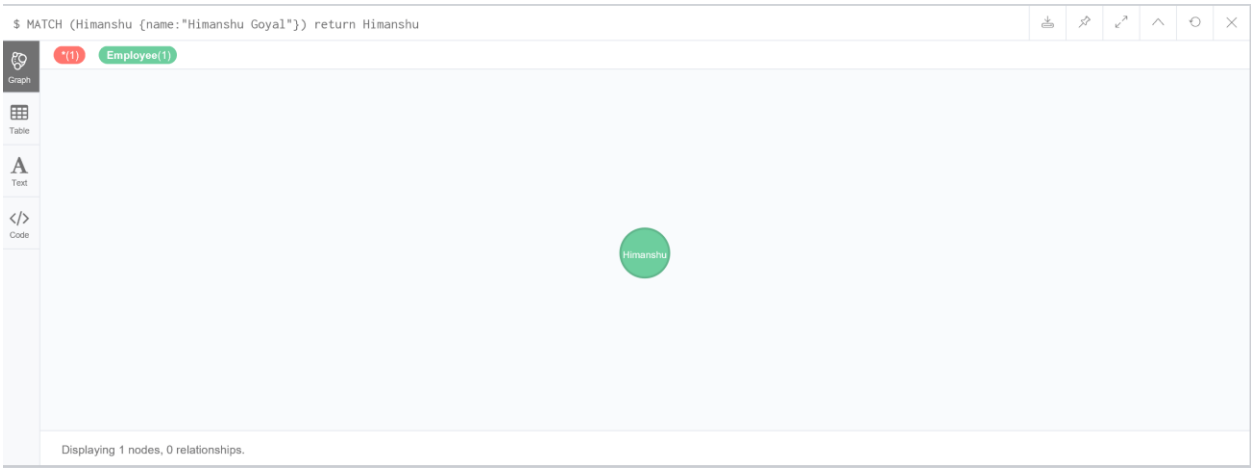


3) Return a single node where employee name matches.

```
MATCH (Himanshu {name:"Himanshu Goyal"}) return Himanshu
```



4) Return all the Department and order by department ID.

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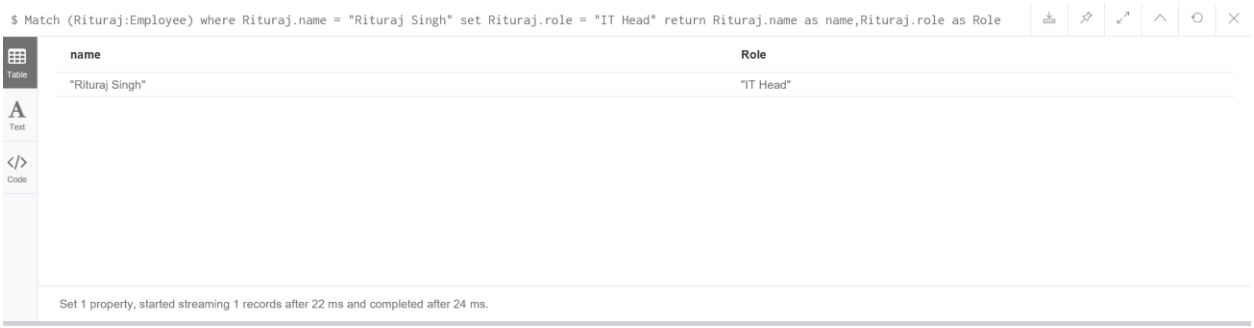
MATCH(Department:Department) return Department.Description
order by Department.departmentId
```

5) Update role for an employee.

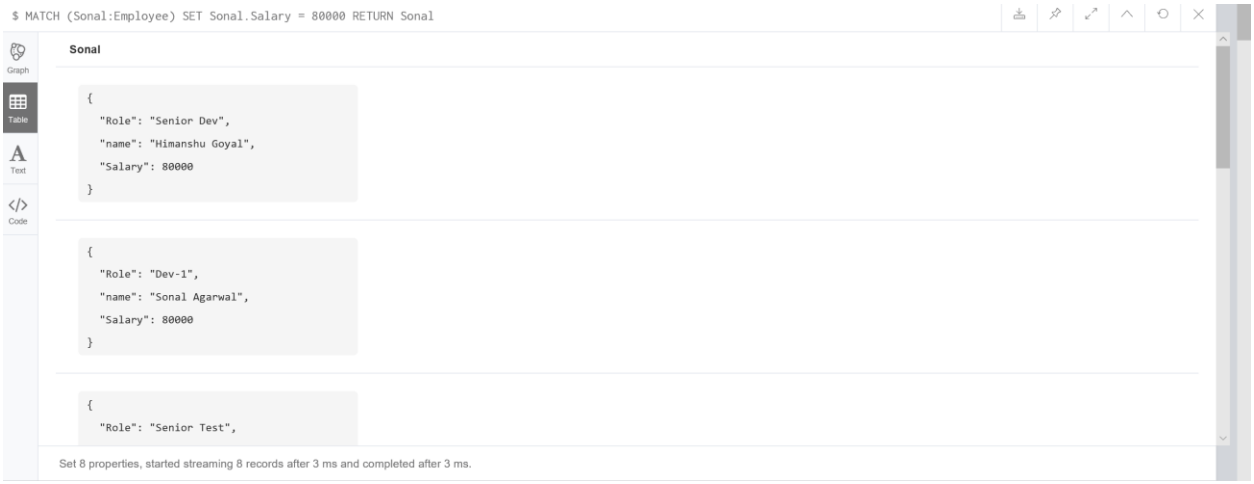
```
Match (Rituraj:Employee) where Rituraj.name = "Rituraj Singh"
set Rituraj.role = "IT Head" return Rituraj.name as
name,Rituraj.role as Role
```



6) Add Salary property for all the employees.

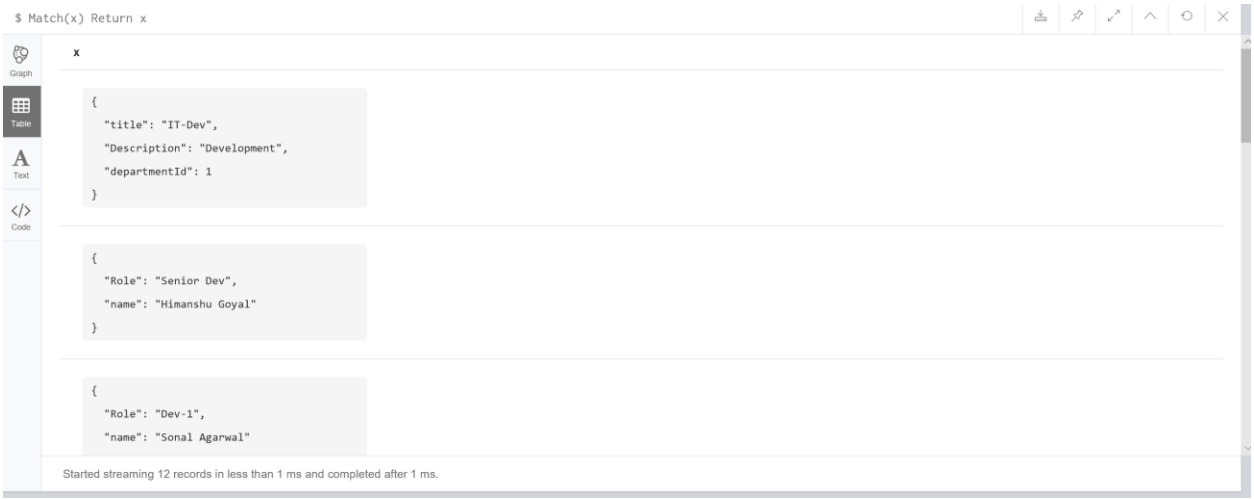
MATCH (Himanshu:Employee) SET Himanshu.Salary = 80000 RETURN Himanshu
MATCH (Sonal:Employee) SET Sonal.Salary = 80000 RETURN Sonal
MATCH (Priyanka:Employee) SET Priyanka.Salary = 80000 RETURN Priyanka

MATCH (Mona:Employee) SET Mona.Salary = 80000 RETURN Mona
MATCH (Rituraj:Employee) SET Rituraj.Salary = 80000 RETURN Rituraj
MATCH (Joshita:Employee) SET Joshita.Salary = 80000 RETURN Joshita
MATCH (Ankita:Employee) SET Ankita.Salary = 80000 RETURN Ankita
MATCH (Priya:Employee) SET Priya.Salary = 80000 RETURN Priya



7) Delete Salary property for all the employees.

MATCH (Himanshu:Employee) REMOVE Himanshu.Salary

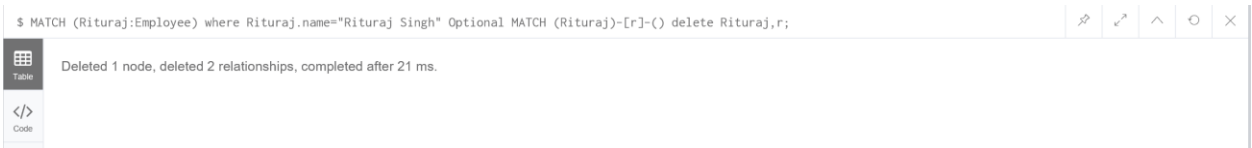


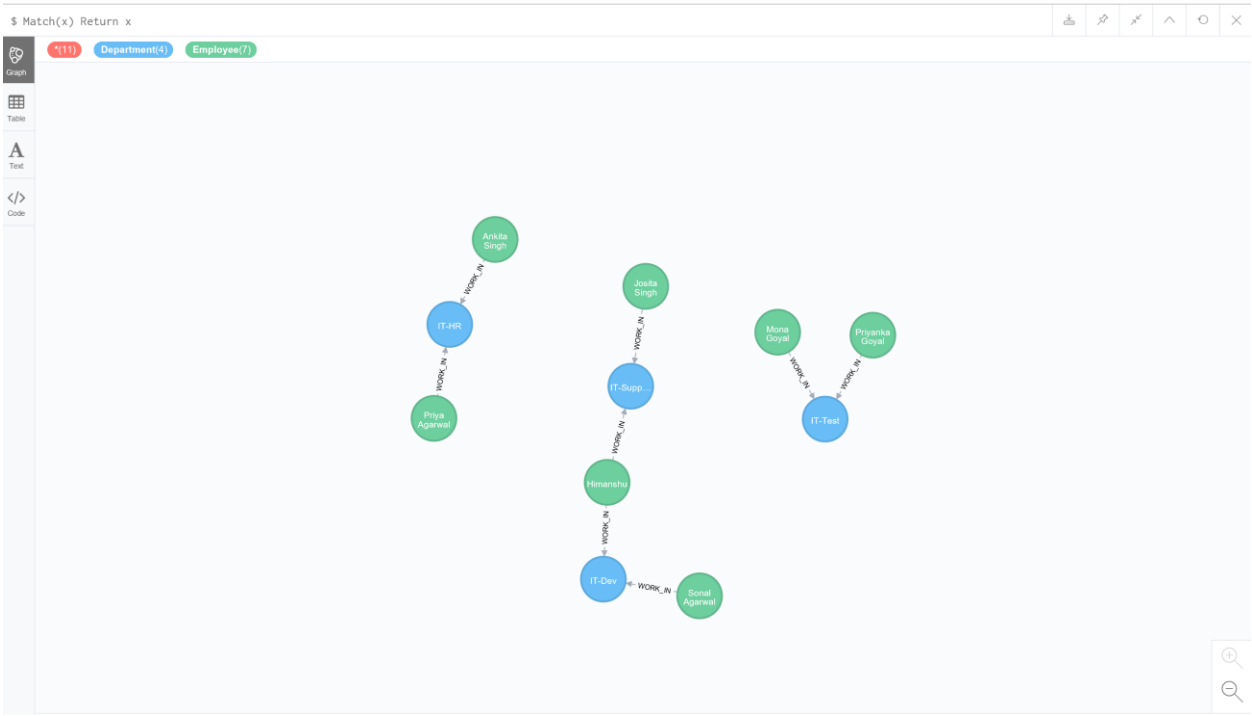
8) Return 2 departments only.

MATCH(Department:Department) return Department.Description order by Department.departmentId limit 2

9) Delete Employee Rituraj Singh and all it's link

MATCH (Rituraj:Employee) where Rituraj.name="Rituraj Singh" Optional MATCH (Rituraj)-[r]-() delete Rituraj,r;





10) Remove the testing Department and all its link.

MATCH (Test:Department) where Test.title="IT-Test" Optional MATCH (Test)-[r]-() Delete Test,r