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how to return the collection of multi node or edge in neo4j using cypher

0

I want to visualization the data of neo4j which I need to return all the nodes and edges of some subgraph. For example in my graph there are these relationship, (:User)-[:RATED]->(:Movie)-[:HAS_GENRE]->(:Genre), (:User)-[:SIMILAIRITY]->(:User). I want to show the subgraph which the center is a specified movie.

The relevant segment of this code is shown below.

```
@Query("match (u:User)-[r:RATED]->(m:Movie)-[hg:HAS_GENRE]->(g:Genre) where m.
    + "union "
    + "match (u:User)-[r:RATED]->(m:Movie)-[hg:HAS_GENRE]->(g:Genre) where m.i
    + "union "
    + "match (u:User)-[r:RATED]->(m:Movie)-[hg:HAS_GENRE]->(g:Genre) where m.i
List<NodeInfo> findMovieRelevantNodes(int movieId);

@Query("match (u:User)-[r:RATED]->(m:Movie)-[hg:HAS_GENRE]->(g:Genre) where m.
    + "union "
    + "match (u:User)-[r:RATED]->(m:Movie)-[hg:HAS_GENRE]->(g:Genre) where m.i
List<EdgeInfo> findMovieRelevantEdges(int movieId);

@QueryResult
public interface NodeInfo {
    @ResultColumn("id")
    int getId();

    @ResultColumn("caption")
    String getCaption();

    @ResultColumn("type")
    String getType();
}

@QueryResult
public interface EdgeInfo {
    @ResultColumn("source")
    int getSource();

    @ResultColumn("type")
```

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```
    String getType();

    @ResultColumn("target")
    int getTarget();

    @ResultColumn("caption")
    String getCaption();
```

It looks like redundant and performace-poor. So is there are some better ways to rewrite these cypher queries.

`neo4j` `cypher` `spring-data-neo4j`

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<div>
asked Apr 7 at 0:25

Donghua Liu
3 ● 2
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Try this:

```
match (u:User)-[r:RATED]->(m:Movie)-[hg:HAS_GENRE]->(g:Genre)
where m.id={0}
return  {id:id(u), caption:u.id} as user,
        {id:id(m), caption:m.title} as movie,
        {id:id(g), caption:g.name} as genre;
```

That's not working. It returns a list of map like this "{genre={id=5, caption=Comedy, type=Genre}, movie= {id=22, caption=Toy Story (1995), type=Movie}, user={id=19, caption=1, type=User}}" – Donghua Liu   May 11 at 11:18

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answered A

Michael Hunger
25.2k ● 2 ● 21 ● 41
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