**Graph Theory and its Applications**

**Assignment 4**

**Restaurant Recommender System**

Name : Sanmat Sanjayakumar Payagoudar

SRN : PES1UG20CS385

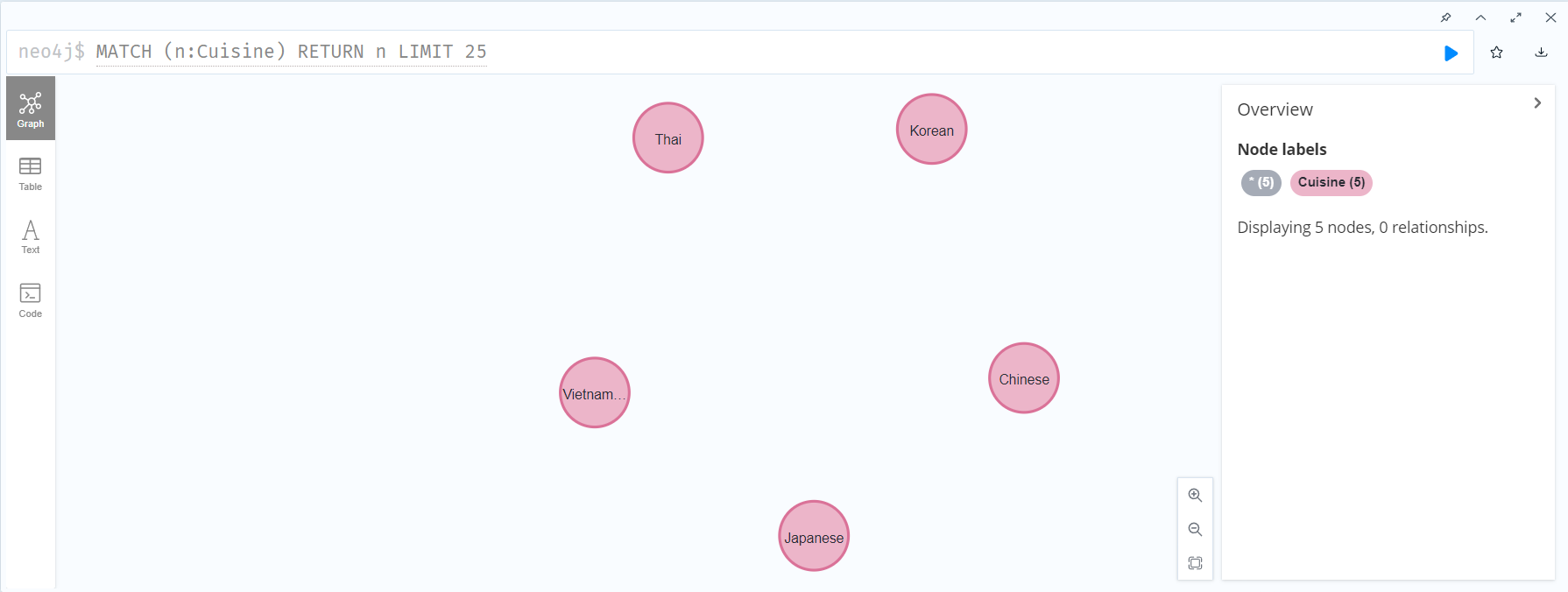
**About the Dataset :**

For building the Restaurant Recommender System we use 8 main datasets

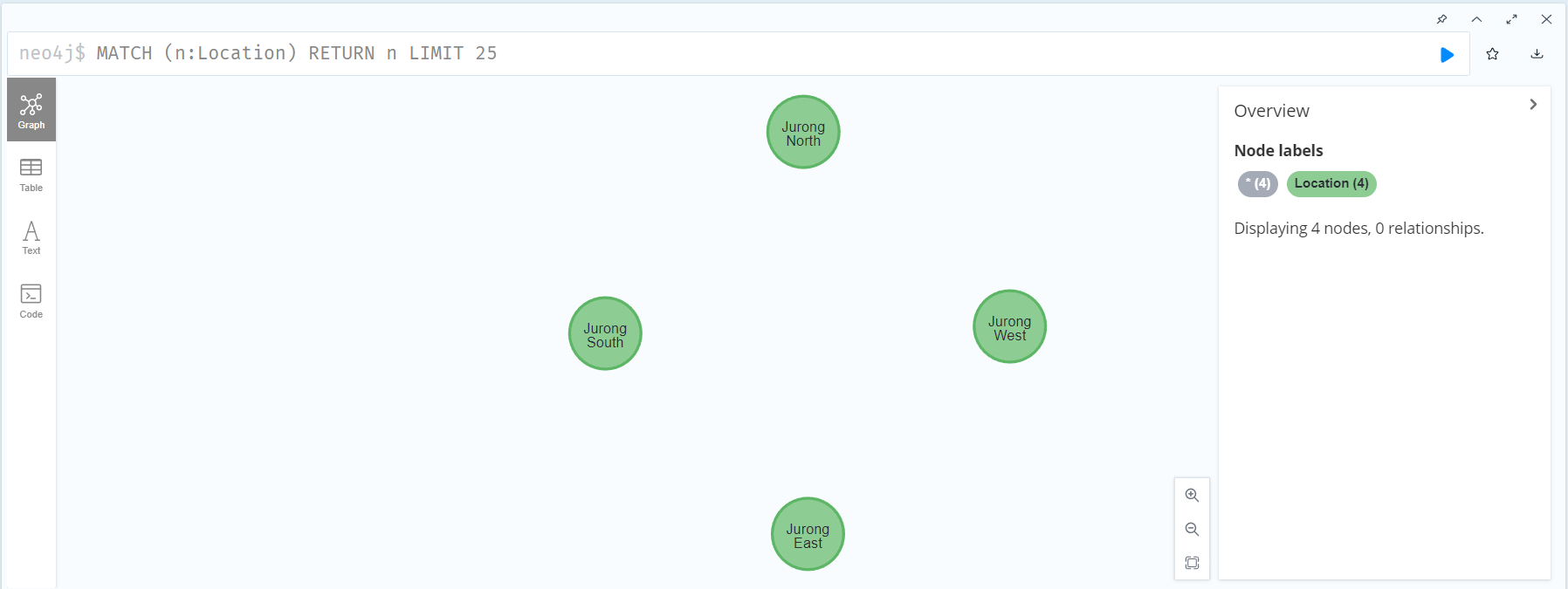
* Cuisine.csv
* Location.csv
* Person.csv
* Restaurant.csv
* Is\_friend\_of.csv
* Likes.csv
* Located.csv
* Serves.csv

**Creating Nodes**

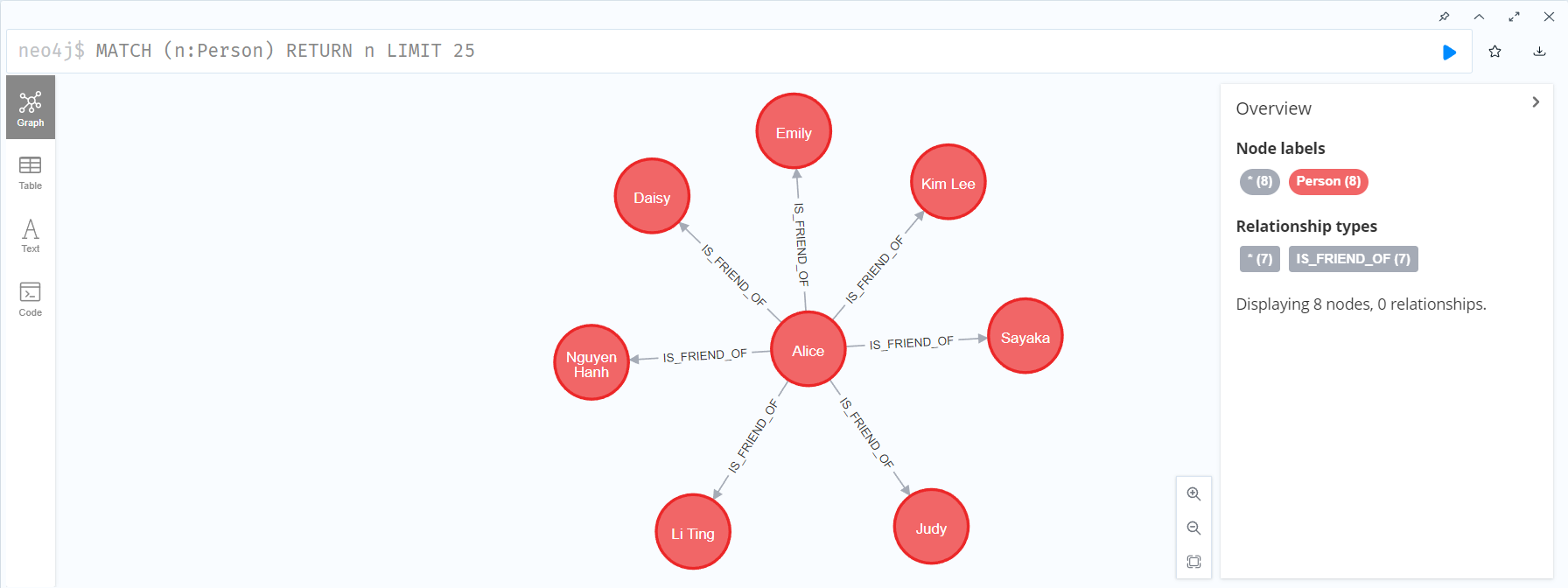
1. **Cuisine**



1. **Location**



1. **Person**

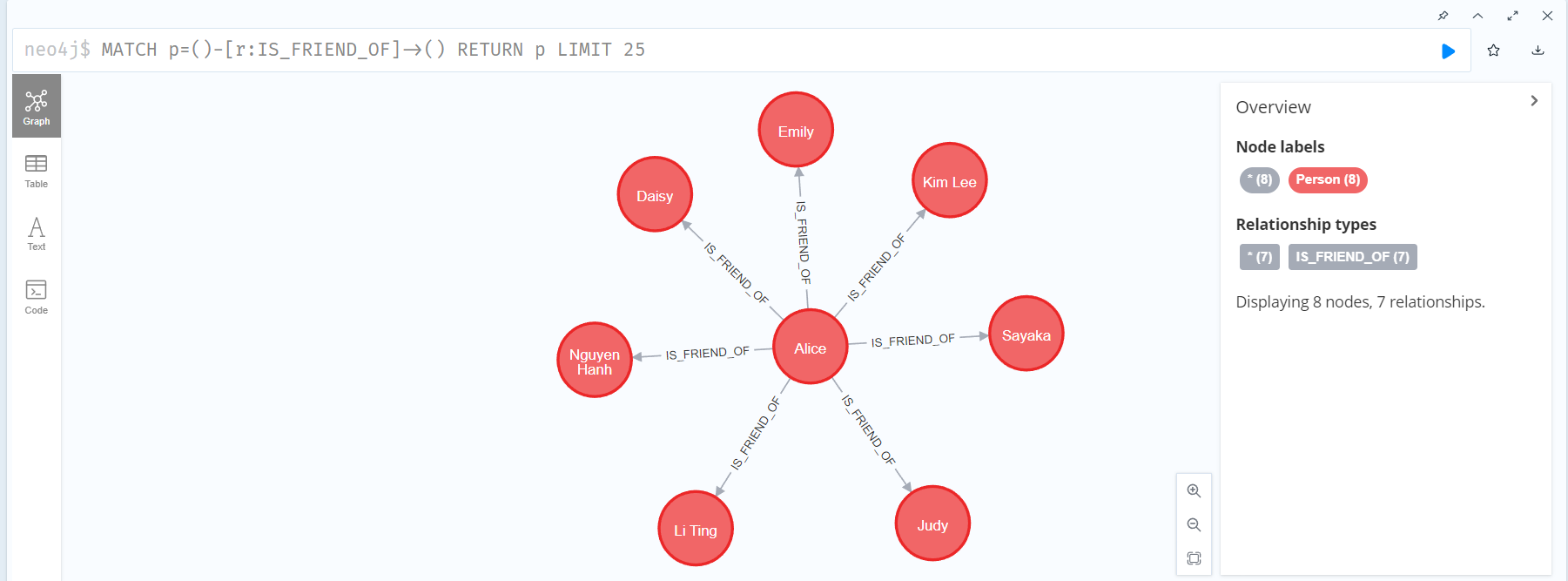


1. **Restaurant**

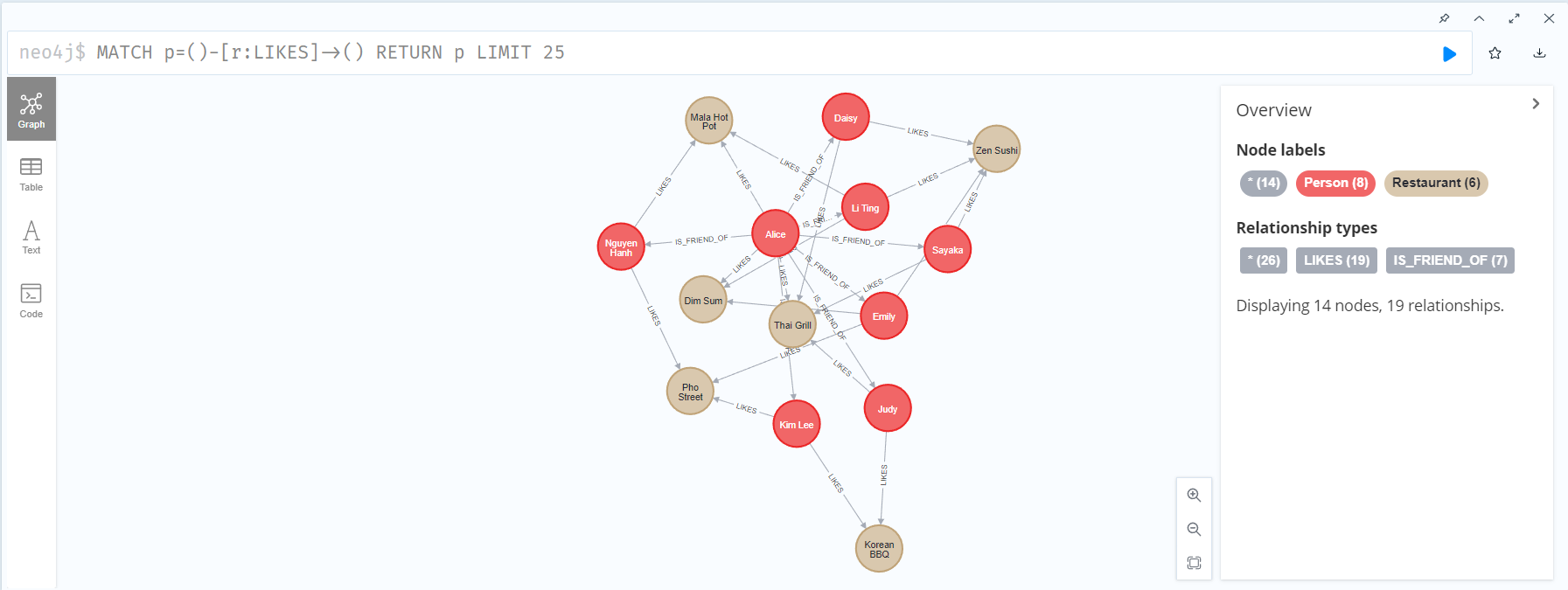


**Creating Relation**

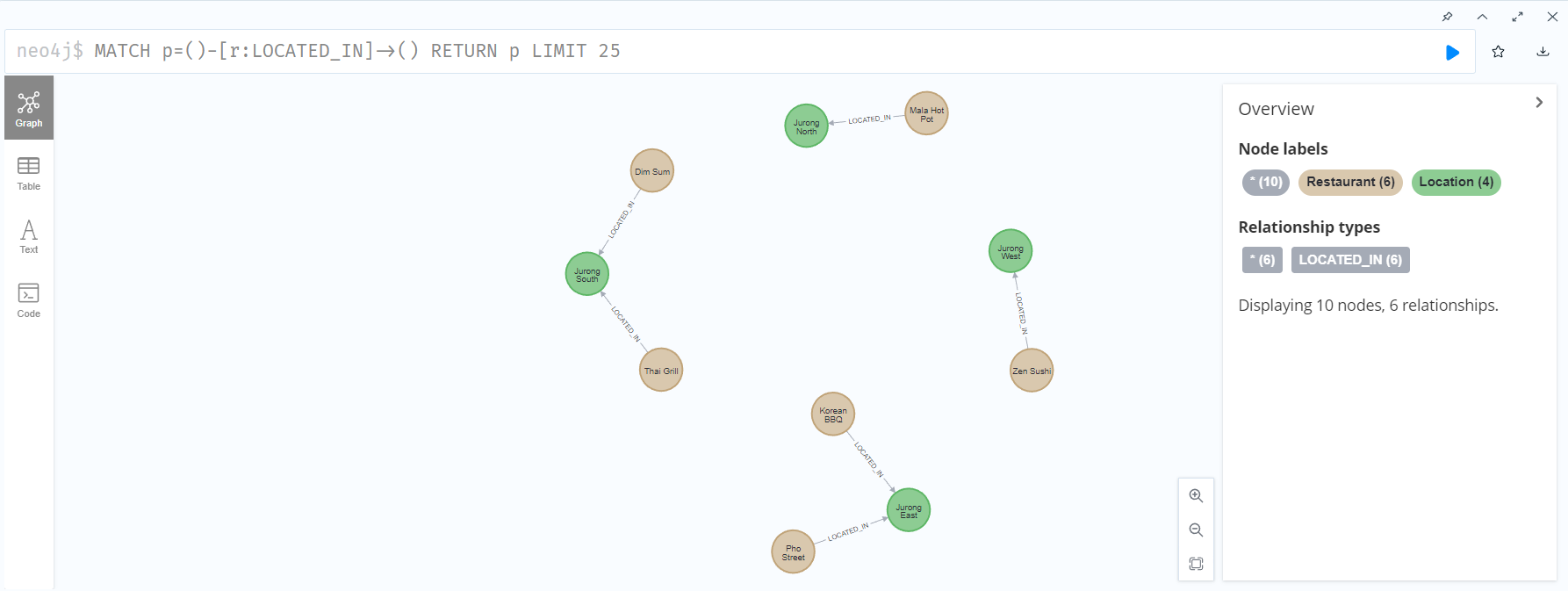
1. **Is\_friend\_of**



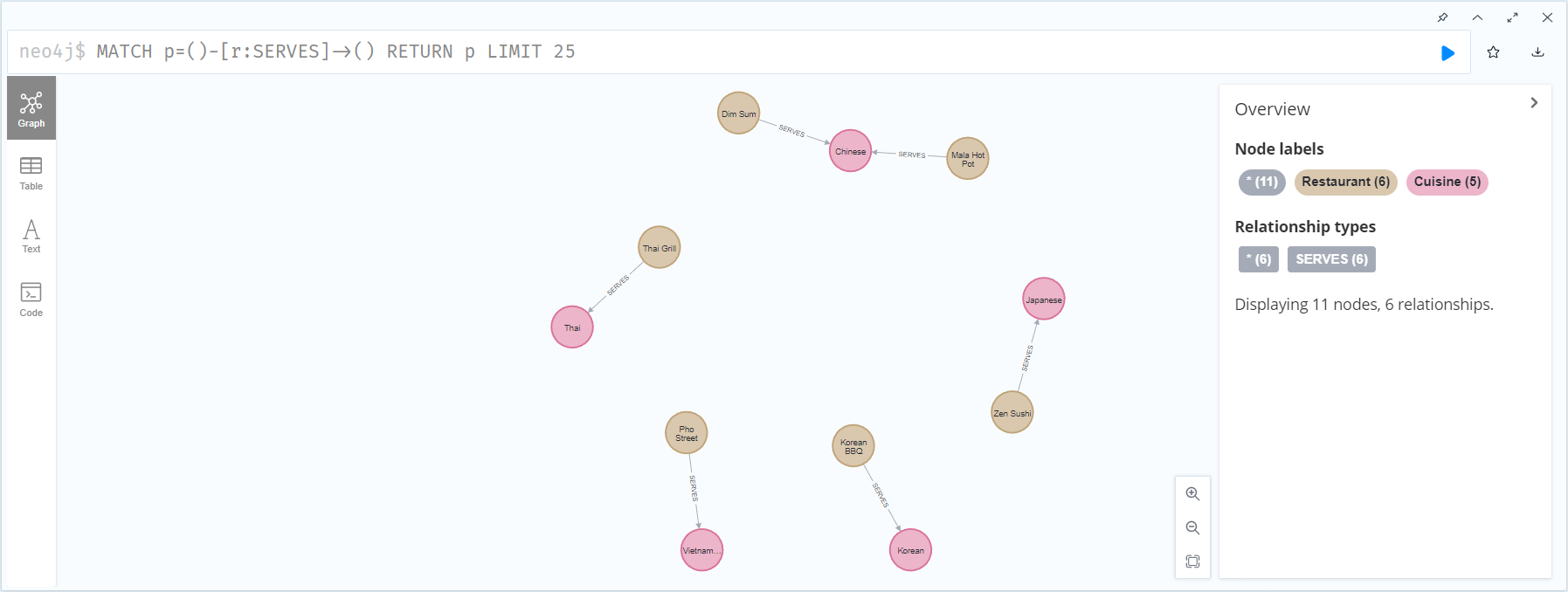
1. **Likes**



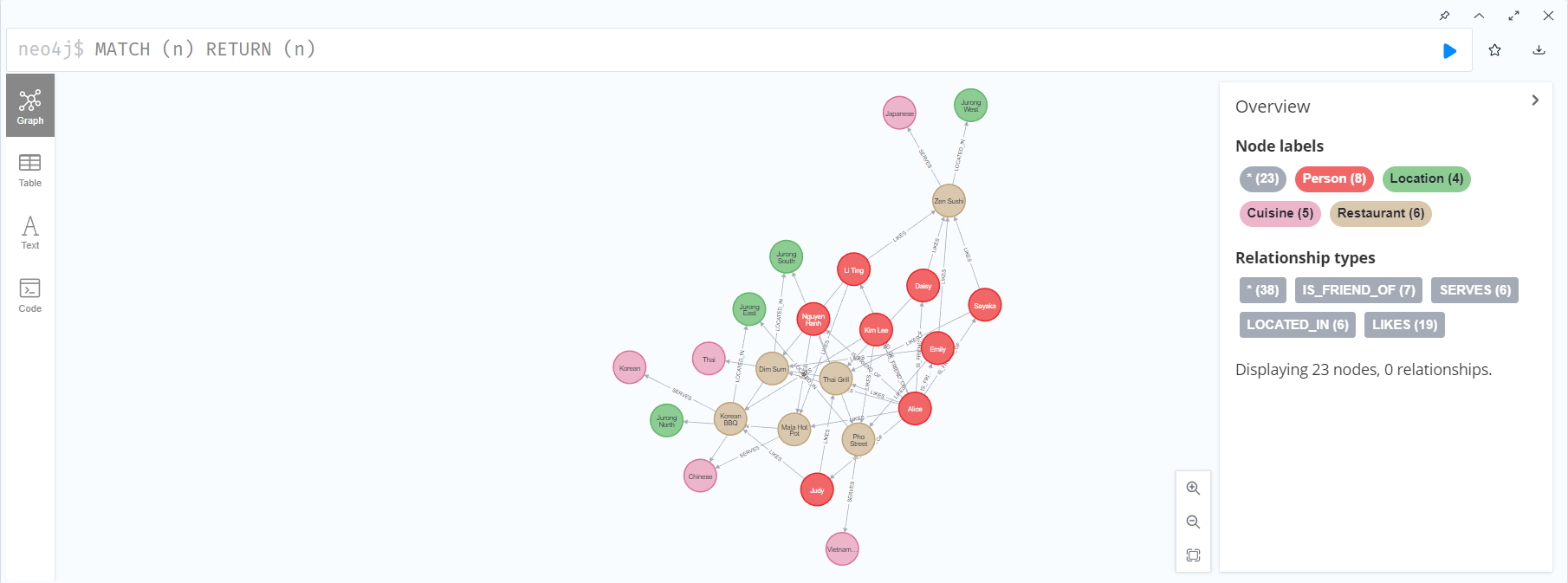
1. **Located\_in**



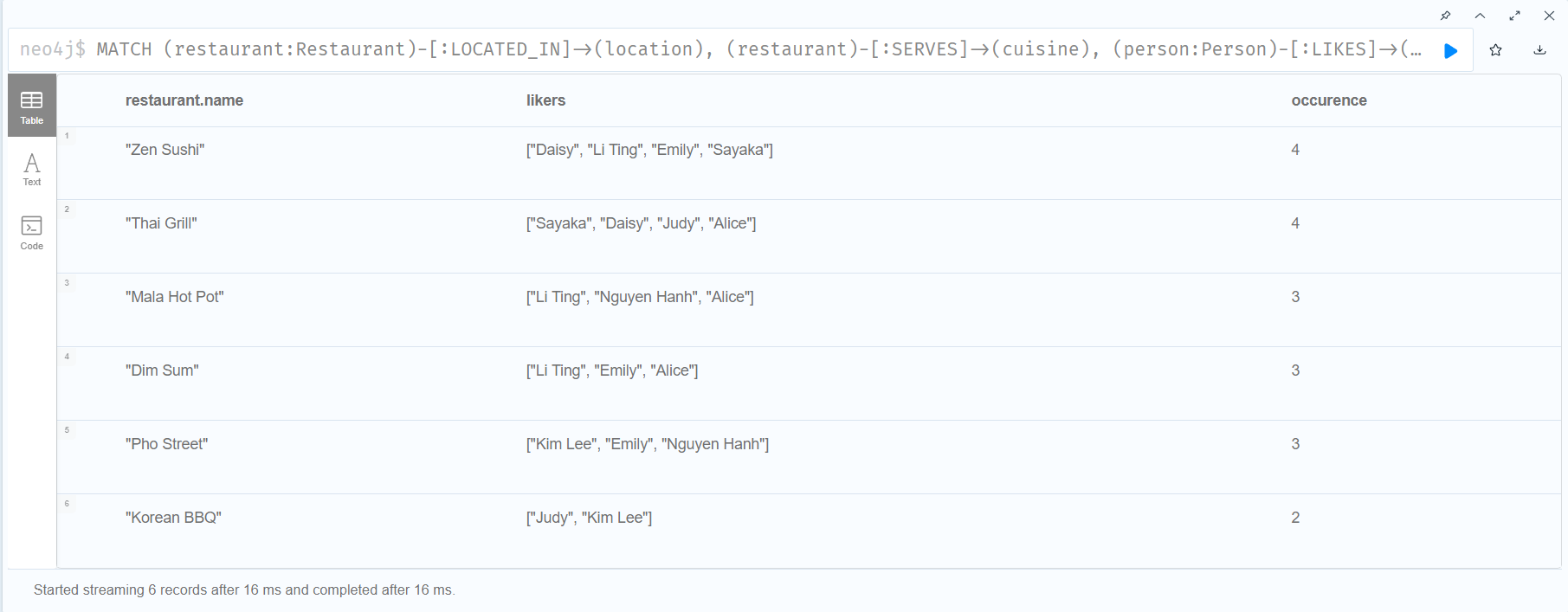
1. **serves**



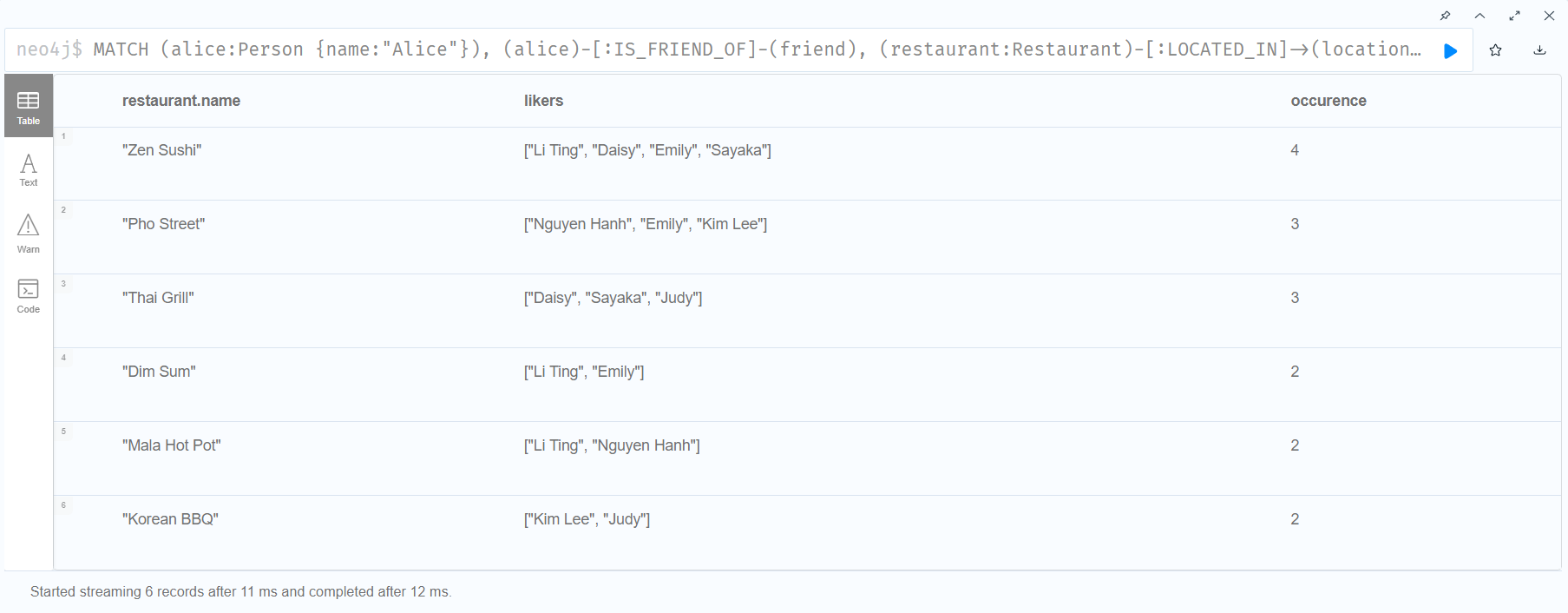
**Whole Graph**



**Content Based Filtering :**



**Collaborative Filtering :**



**Betweenness Centrality:**

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