**TY B.Tech. (CSE) – II [ 2021-22 ]**

**4CS372 : Advanced Database System Lab**

**PRN/ Roll No: 2019BTECS00033**

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**Batch: T6**

**Assignment No. 12**

**Title: Spatial and Geographic data**

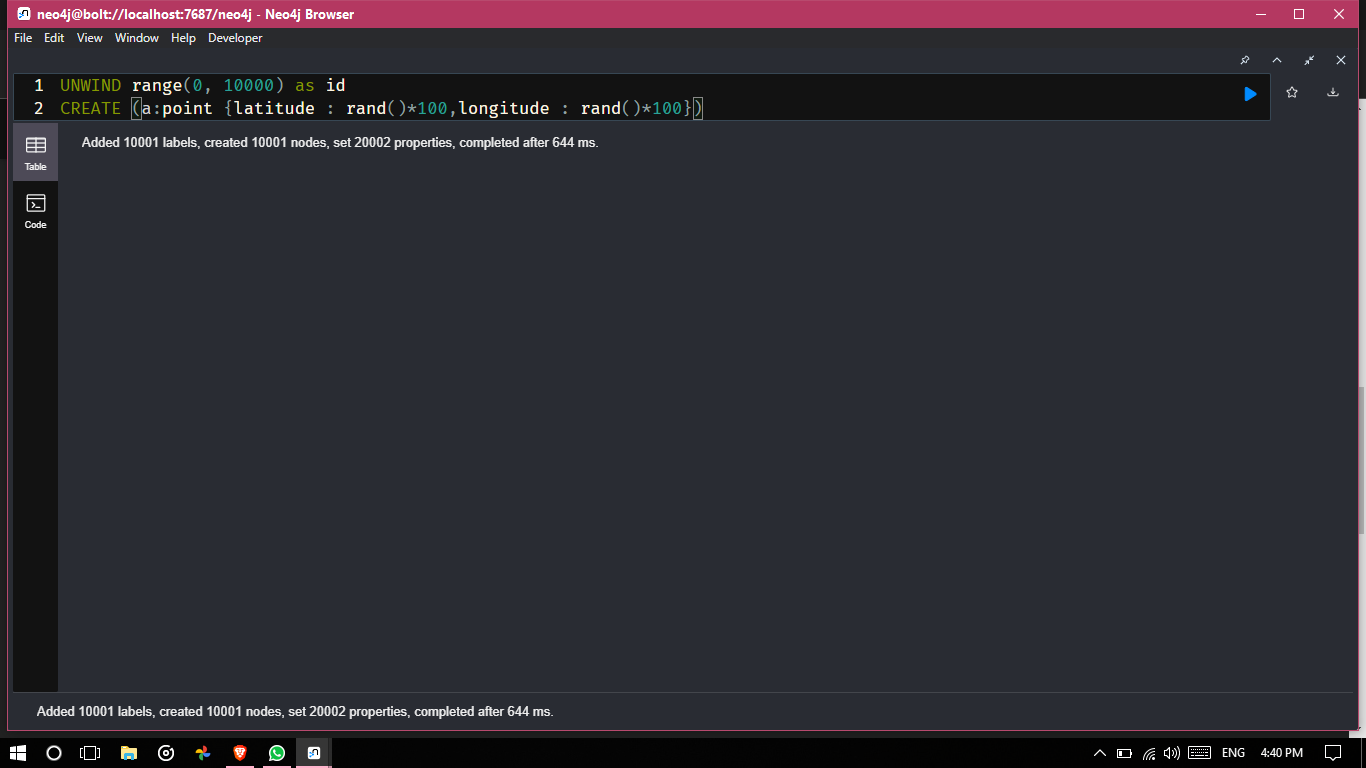
**Objective: To use spatial datatypes like point and trying different CQL queries like for finding the distance between two provided points.**

**Introduction &Theory:**

**Spatial Datatypes like point are used for different methods of Positioning systems for easier execution. They are useful in GIS systems for GPS.**

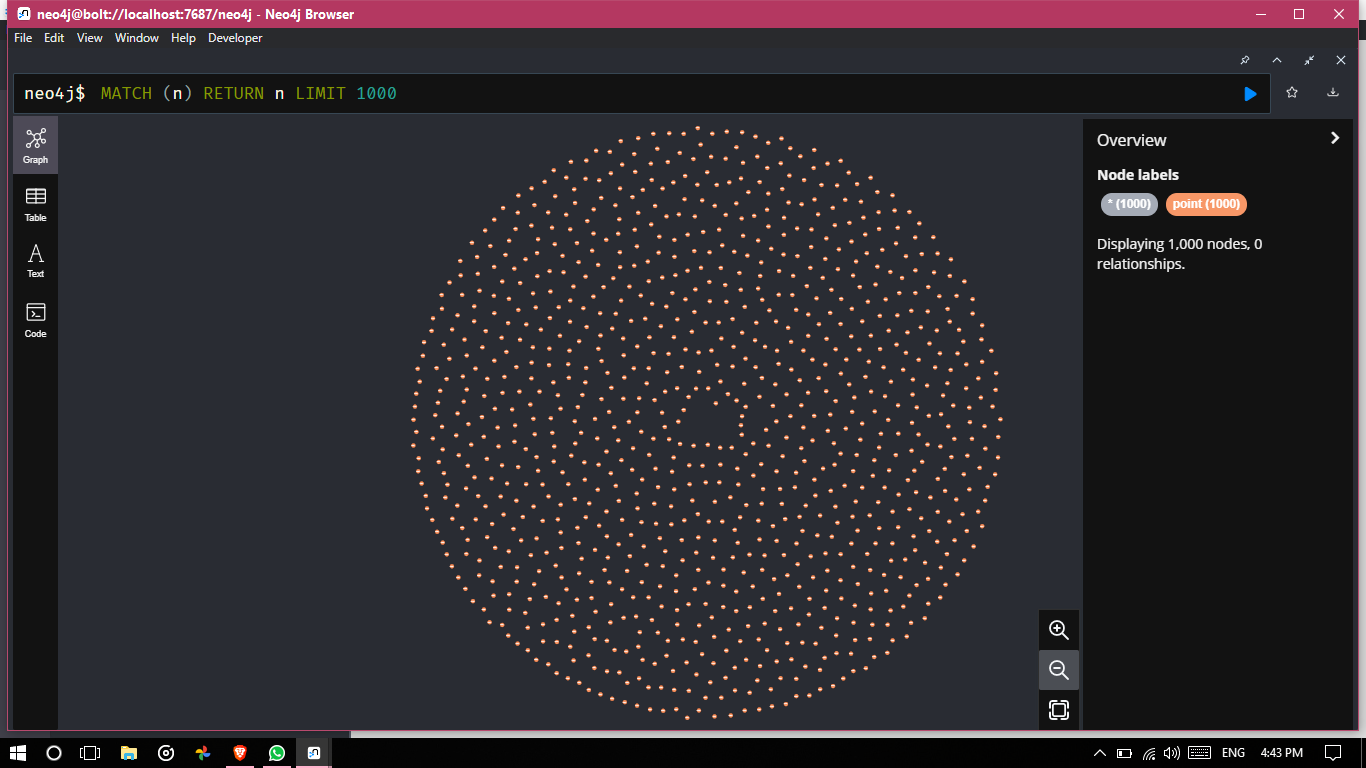
**Implementation :**

**Creating database of multiple points :**

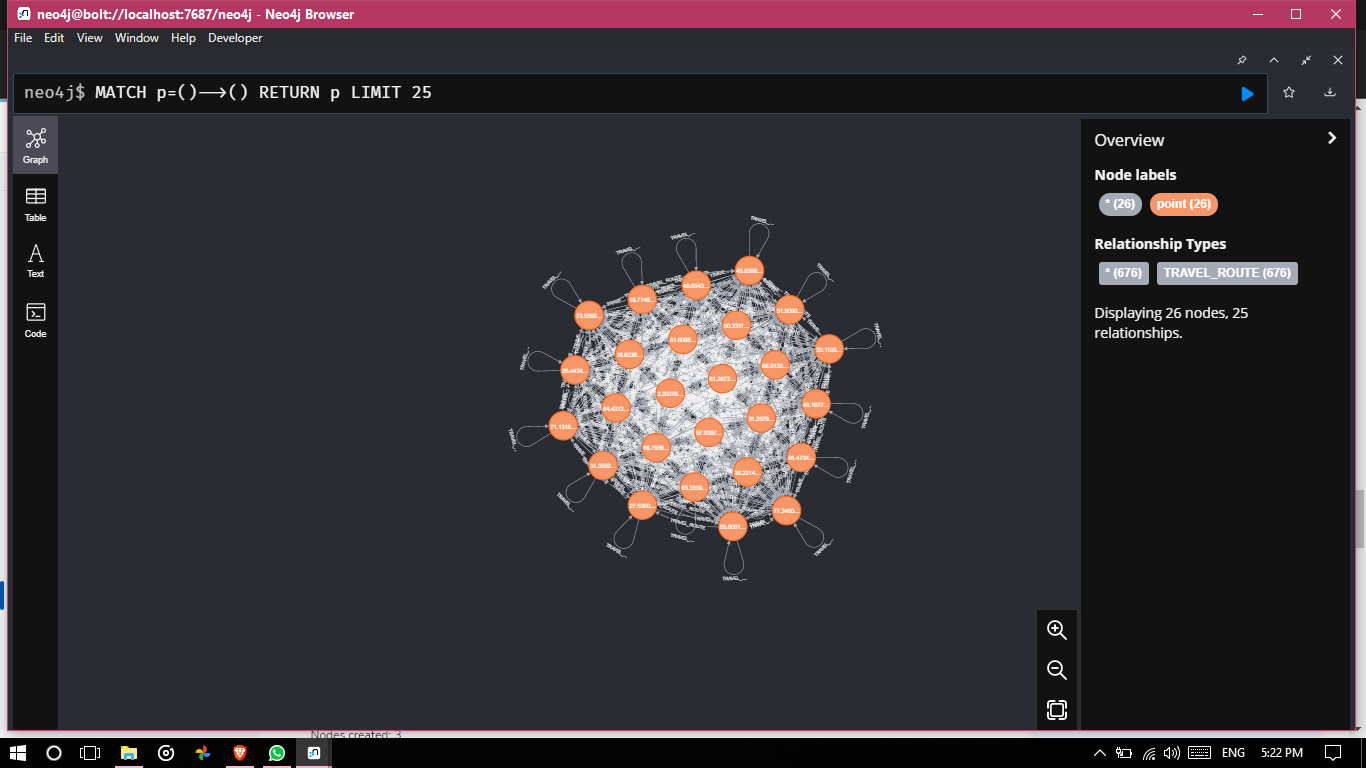
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**As given result of the above query : 10001 nodes are added to graph having properties like longitude , latitude , id.**

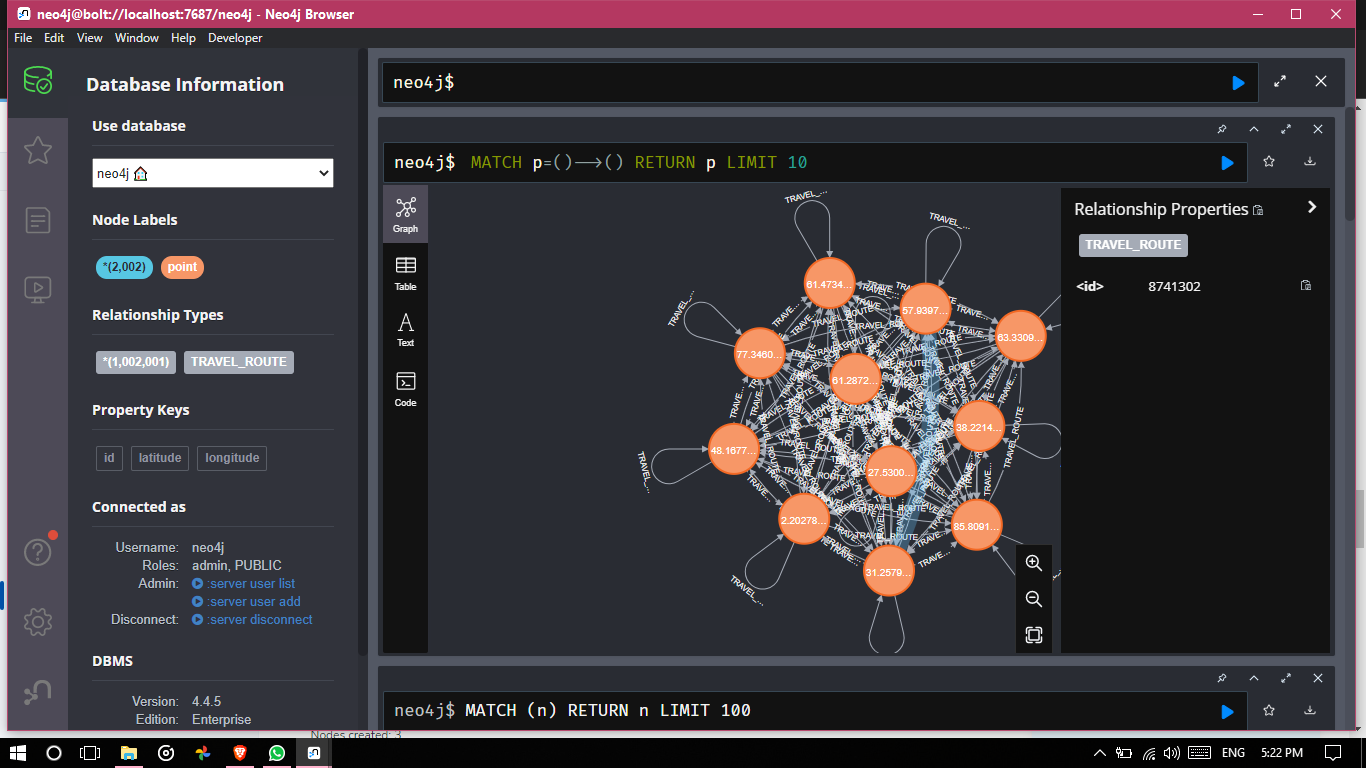
**Then showing it as graph :**

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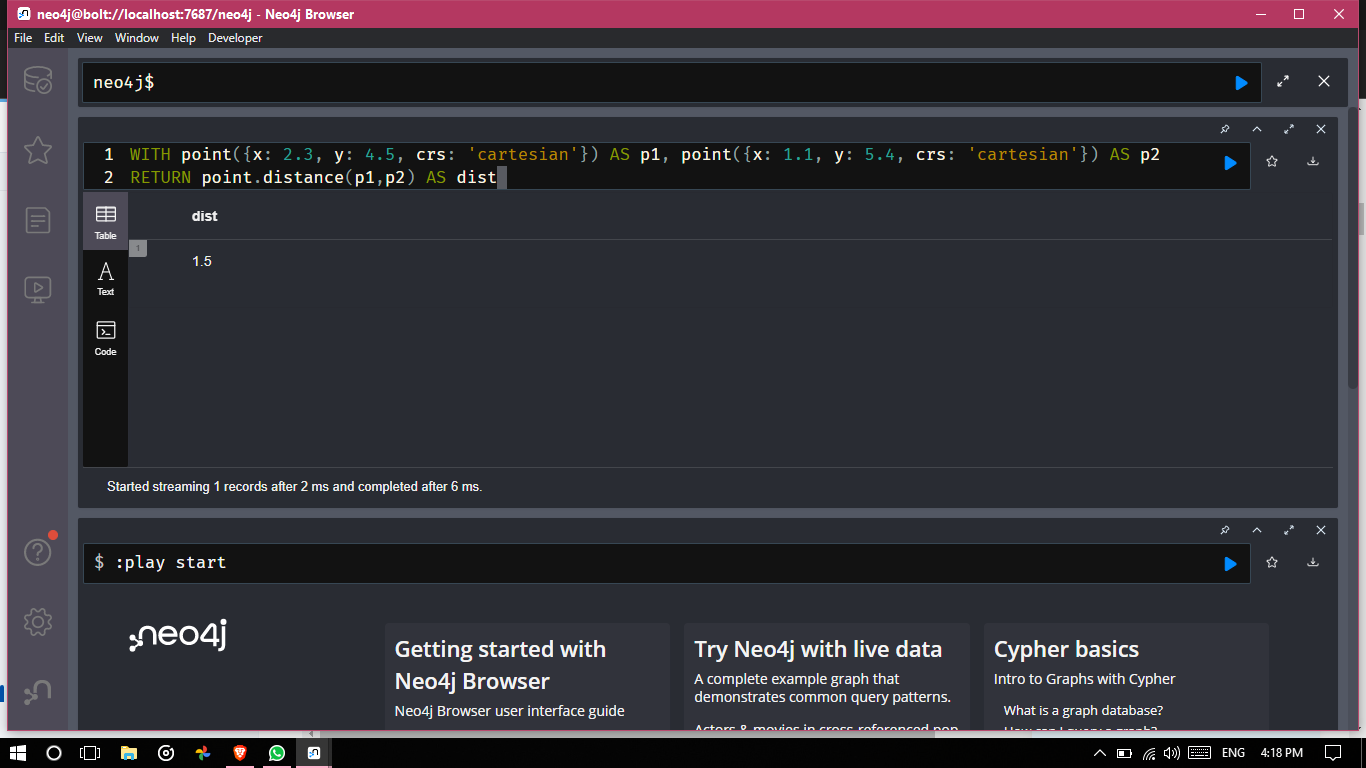
**Then adding relationships between the points :**

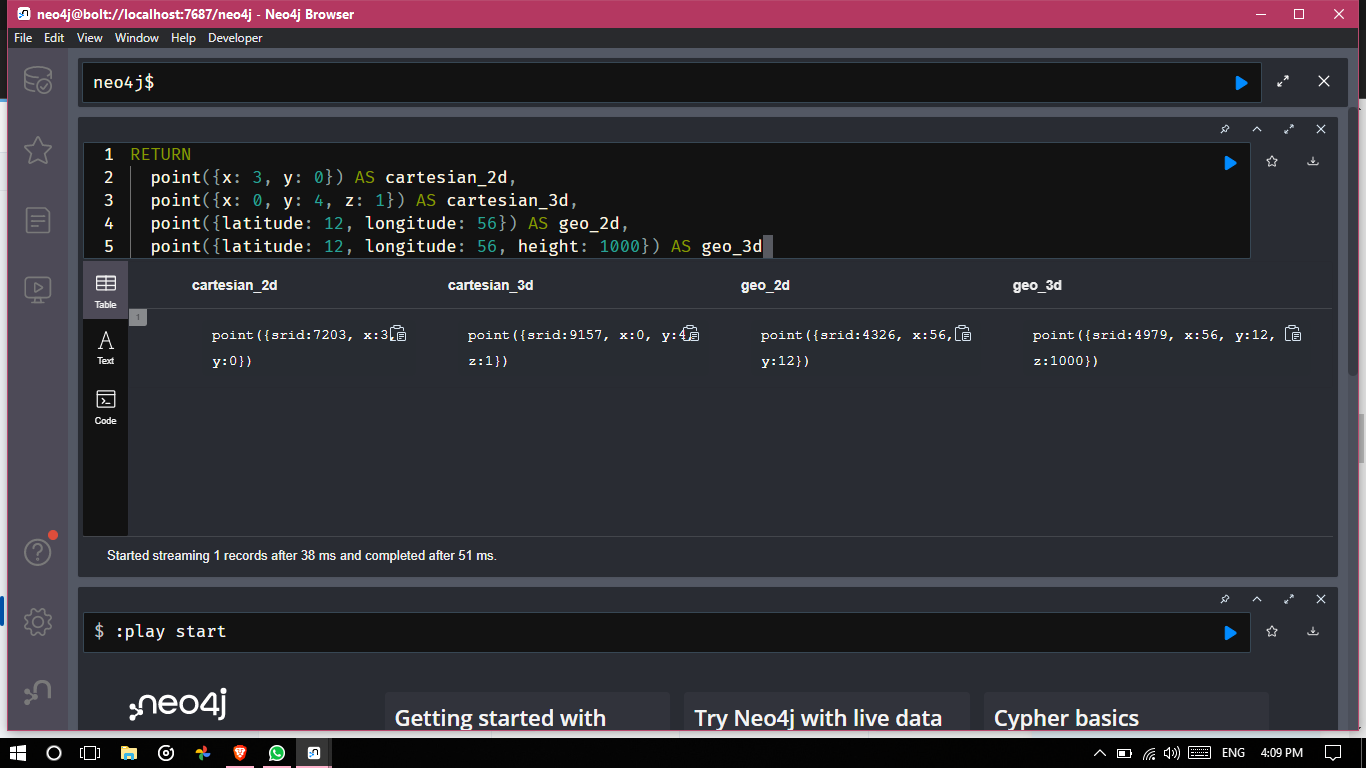
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**Showing it on the different scale :**

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**Practicing different spatial functions :**

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**Conclusion :**

**The spatial datatypes like points makes easy to work in GIS domains rather traditional datatypes.**