TY B.Tech. (CSE) – II [2024-25]

6CS371 : Advanced Database System Lab.

Assignment No. 12
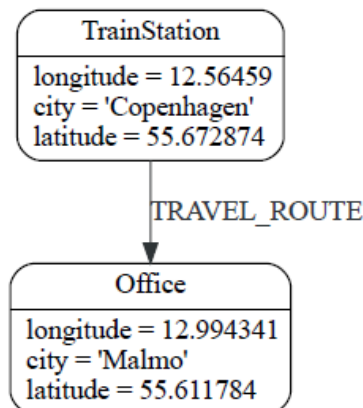
Spatial and Geographic Data

Geospatial is the natural domain for Graph Database
Use Neo4j and Neo4j Spatial

Problem Statement : Finding Things Close to Other Things.
Application in : location-based services on the web

Task :
1. Use Neo4j graph database installed in previous assignments.
2. Install/configure Neo4jSpatial (https://github.com/neo4j-contrib/spatial) from GitHub. It is the Neo4j plug-in that facilitates geospatial operations on data stored in Neo4j.
3. Write CQL (Cypher Query Language) script to add randomly 10,000 location points as follows. Assume any data.

4. Use the point() , distance() function of Neo4j to answer the queries "*which things close/nearest to which other things*".
5. Demonstrate the result by firing different cypher queries (write CQL statement).

Note : Follow the submission guidelines.

Deadline : 20/04/2025

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