CS1003 Week 7 Exercise 2: GraphDB: Neo4J

As with all lab exercises, this exercise is not assessed. It is intended solely to help you understand the module material.

The aim of this exercise is to practice processing of data in a Graph database system. This week you will be re-implementing your artists and albums with Neo4J.

You will need to download the Neo4J system for your own computer from:

> https://neo4j.com/download/

Note that you have to give your name and address etc. to download neo4J.

On OSX, Unix and Windows an installer is downloaded.

You run the installer to install neo4J on your machine.

The installer will create the neo4J Desktop client with which you can interact with neo4J. It looks like this:

Launch the desktop – the lectures and videos show you how to interact with the system.

There is a video from neo4J on how to use it here:

> https://www.youtube.com/watch?v=REVkXVxvMQE&list=PL9Hl4pk2FsvWM9GWaguRhlCQ-pa-ERd4U

Try playing with the graphical user interface with the Movie database that comes with Neo4J.

Once you have played with the GUI try writing some Cypher queries – you will probably need to look at the examples from the lectures and the online tutorials:

- https://www.tutorialspoint.com/neo4j/index.htm
- https://neo4j.com/developer/get-started/

Once you have those running try populating your Neo4J database with a new collection(s) for artists and albums as you see fit and write some of the queries you performed with SQLite in Cypher.

Think about how neo4J is different from SQLite and MongoDB.

You are not required to hand anything in this week.