Homework - 6

Please upload the solutions to Blackboard. Please do NOT USE GIT.

```
CREATE
  (alice:Person {name: 'Alice'}),
  (bob:Person {name: 'Bob'}),
  (carol:Person {name: 'Carol'}),
  (dave:Person {name: 'Dave'}),
  (eve:Person {name: 'Eve'}),
  (guitar:Instrument {name: 'Guitar'}),
  (synth:Instrument {name: 'Synthesizer'}),
  (bongos:Instrument {name: 'Bongos'}),
  (trumpet:Instrument {name: 'Trumpet'}),
  (thriller:Book {name: 'Thriller'}),
  (nonfiction:Book {name: 'NonFiction'}),
  (historical:Book {name: 'Historical'}),
  (literature:Book {name: 'Literature'}),


  (alice)-[:LIKES]->(guitar),
  (alice)-[:LIKES]->(synth),
  (alice)-[:LIKES ]->(bongos),
  (bob)-[:LIKES]->(guitar),
  (bob)-[:LIKES]->(synth),
  (carol)-[:LIKES]->(bongos),
  (dave)-[:LIKES]->(guitar),
  (dave)-[:LIKES]->(synth),
  (dave)-[:LIKES]->(bongos),
  (alice)-[:READS]->(historical),
  (alice)-[:READS]->(literature),
   (bob)-[:READS]->(nonfiction),
  (carol)-[:READS]->(thriller),
  (carol)-[:READS]->(nonfiction),
  (dave)-[:READS]->(thriller),
  (dave)-[:READS]->(nonfiction);
```

Question: 1 (4 points)

Create this graph in the Neo4j blank sandbox.
Paste the query that can render the entire graph - that is all different types of nodes with all different types of relationships in the CREATE statement above. (Note - start with a blank sandbox or make sure all entities, relationships created earlier are deleted.)

Question: 2 (8 points)

Create a graph projection that only focuses on Instrument and Person and find out which 2 persons are most similar to each other.
Use https://neo4j.com/docs/graph-data-science/current/algorithms/node-similarity/
Please paste the CALL gds.graph.create command and the CALL gds graph analytics algorithm

Question: 3 (8 points)

Create a graph projection that only focuses on Book and Person and find out which 2 persons are most similar to each other. Use https://neo4j.com/docs/graph-data-science/current/algorithms/node-similarity/
Please paste the CALL gds.graph.create command and the CALL gds graph analytics algorithm