**Neo4j Lab 2**

**Part I – Data Modeling**

1.

We will be working with the United States Department of Transportation flights dataset. We want to find out how airports are connected so that we can find the busiest airports.

**:play https://guides.neo4j.com/modeling\_airports**

2.

Follow my class demo for this exercise

3.

Use this command to load data:

**LOAD CSV WITH HEADERS FROM "https://s3.amazonaws.com/anyatraining/flights\_1k.csv" AS row**

**RETURN row**

**LIMIT 5**

**4.** Use this link for 10k flight dataset:

<https://s3.amazonaws.com/anyatraining/flights_10k.csv>

6. Use this link for 100k flight dataset (can take some time):

<https://raw.githubusercontent.com/neo4j-contrib/training/master/modeling/data/flights_100k.csv>

7. Delete all

MATCH (n)

WITH n LIMIT 10000

DETACH DELETE n

RETURN count(\*)

**Part II – Cypher Exercises**

1. **Filtering queries using relationships**

Navigate to Neo4j Browser and execute the following statement:

**:play intro-neo4j-exercises**

Then follow instructions for **Exercise 3**

1. **Filtering queries using WHERE clause**

Navigate to Neo4j Browser and execute the following statement:

**:play intro-neo4j-exercises**

Then follow instructions for **Exercise 4**

1. **Controlling query processing**

Navigate to Neo4j Browser and execute the following statement:

**:play intro-neo4j-exercises**

Then follow instructions for **Exercise 5**

1. **Controlling results returned**

Navigate to Neo4j Browser and execute the following statement:

**:play intro-neo4j-exercises**

Then follow instructions for **Exercise 6**

1. **Working with Cypher data**

Navigate to Neo4j Browser and execute the following statement:

**:play intro-neo4j-exercises**

Then follow instructions for **Exercise 7**

1. **Creating nodes**

Navigate to Neo4j Browser and execute the following statement:

**:play intro-neo4j-exercises**

Then follow instructions for **Exercise 8**

1. **Creating relationships**

Navigate to Neo4j Browser and execute the following statement:

**:play intro-neo4j-exercises**

Then follow instructions for **Exercise 9**

1. **Deleting nodes and relationships**

Navigate to Neo4j Browser and execute the following statement:

**:play intro-neo4j-exercises**

Then follow instructions for **Exercise 10**