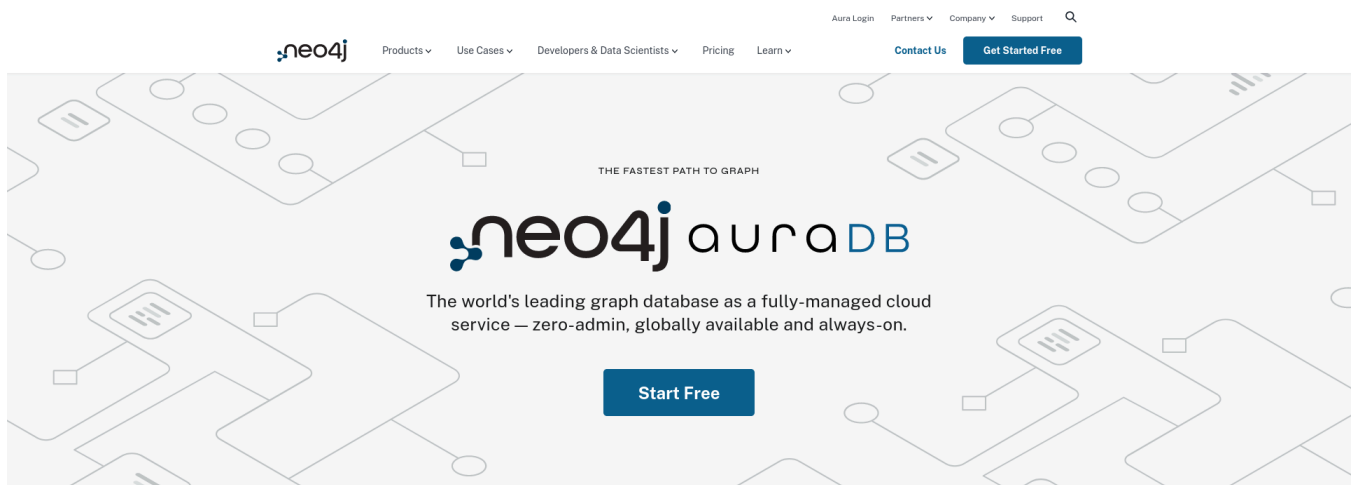# CIS 5500: Database and Information Systems
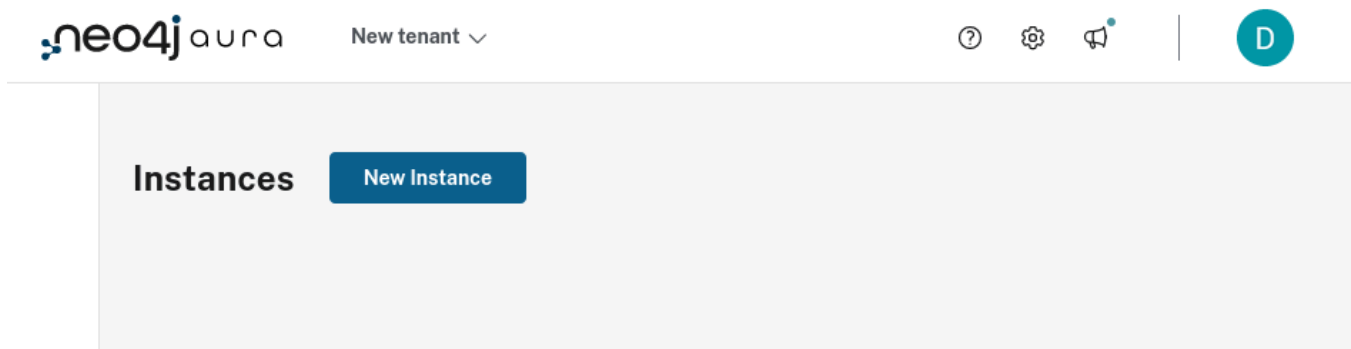
Neo4j Aura Handout
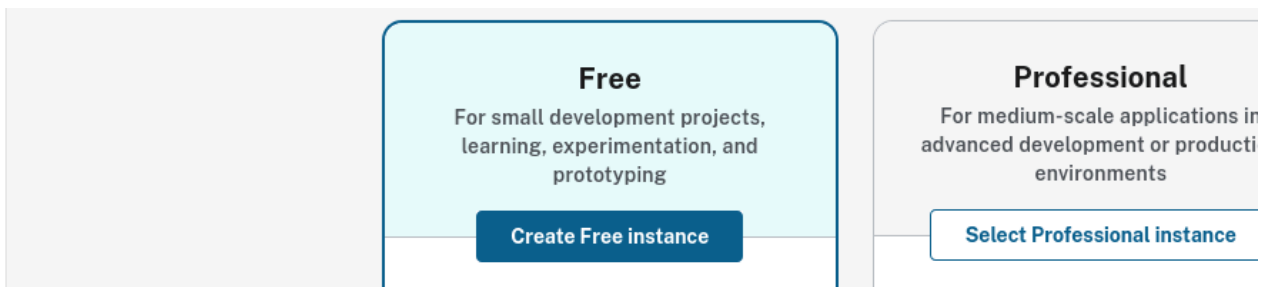
1. Creating an Instance

1. Head over to the official [Neo4j Aura site](#) and create an account (click on Start Free).
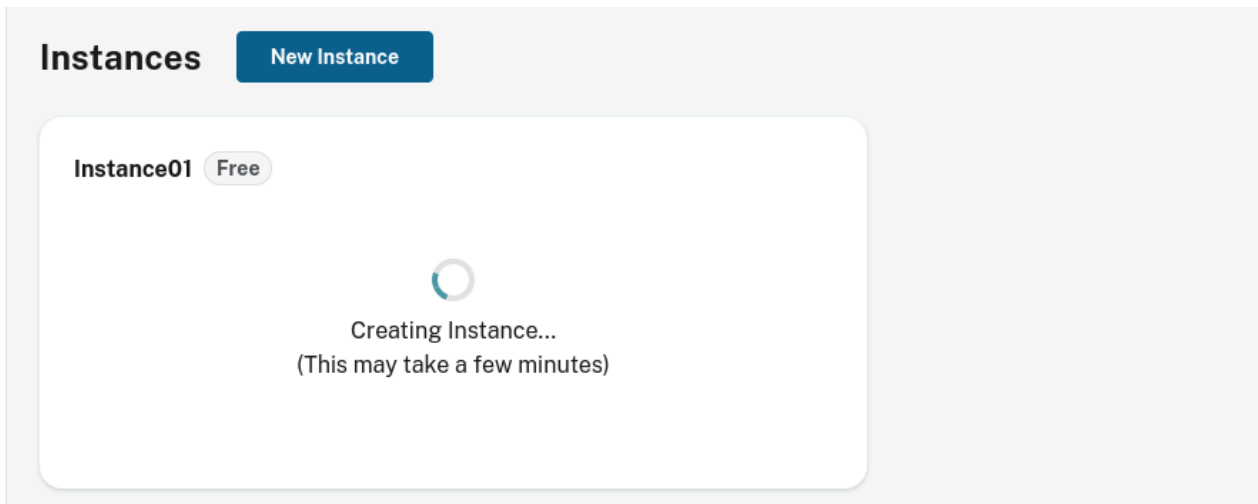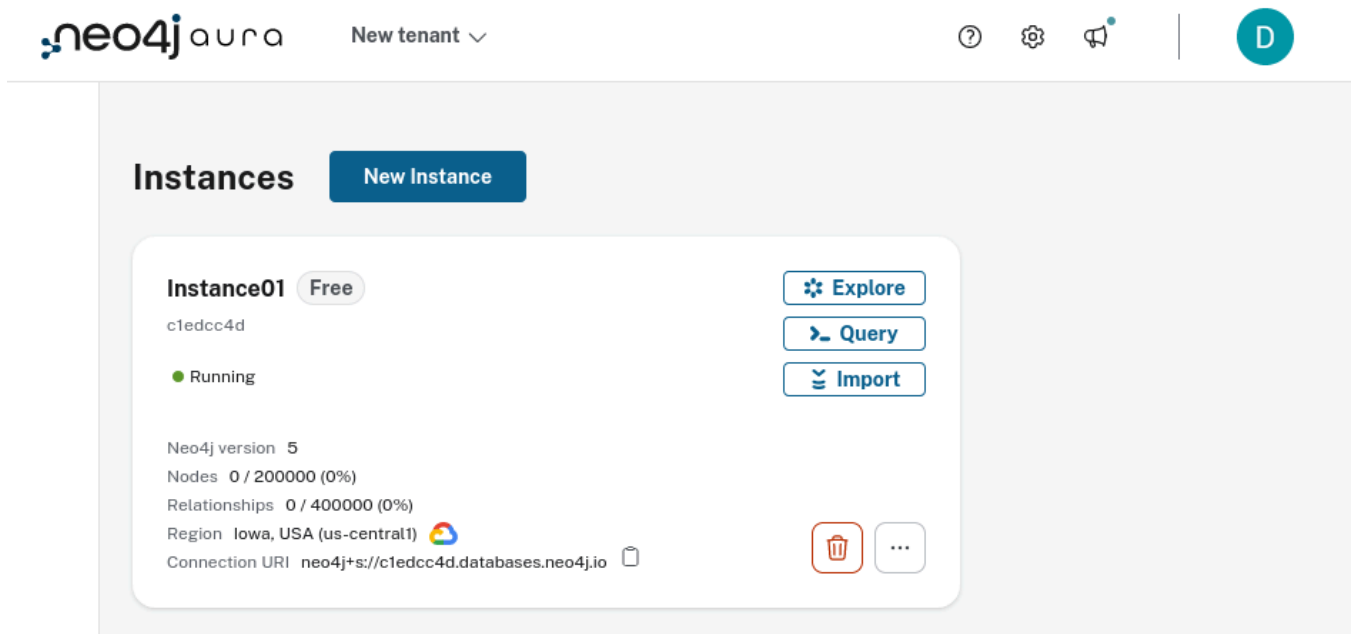

2. Click on "New Instance"

3. Select "Create Free Instance". Make sure to save the password that is given after creation. You'll need this for entering your credentials in part 3.

	Free		Professional
	For small development projects, learning, experimentation, and prototyping		For medium-scale applications in advanced development or producti environments
	Create Free instance		**Select Professional instance**

4. A new instance is being set up.

Instances [New Instance]

Instance01 (Free)

Creating Instance...
(This may take a few minutes)

5. After a few minutes, the instance will start

neo4j aura   New tenant ⌄   ⑦ ⚙ 📢   D

Instances [New Instance]

Instance01 (Free)
c1edcc4d

🟢 Running

Neo4j version 5
Nodes 0 / 200000 (0%)
Relationships 0 / 400000 (0%)
Region Iowa, USA (us-central1) ☁
Connection URI neo4j+s://c1edcc4d.databases.neo4j.io 📋

✿ Explore
>_ Query
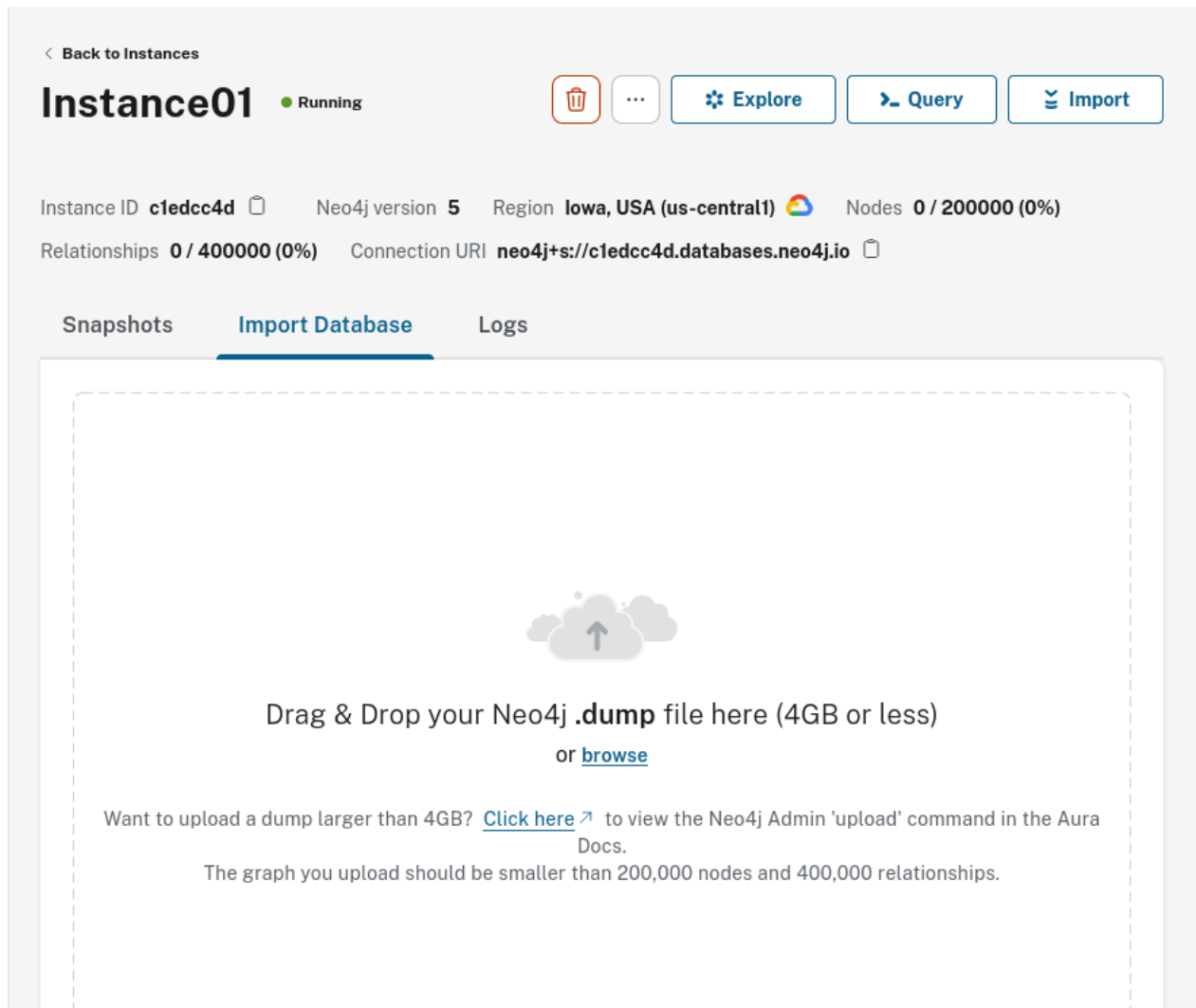⌄ Import

🗑 ···

6. Click on the instance to see the instance options.

2. Data Loading

2.1. Method 1–Dump File

While this is the more straight-forward method, we recommend you still take a look at the flights.cyp file that is used in method 2 to get an idea of the queries that are occurring to create the relations.

7. Click on the "Import Database" tab and drag in the "flights.dump" file into space and choose the "upload" option.

8. You should see a confirmation and on the instance page, the database should enter a loading state. Wait for the loading to complete and proceed to part 2.3.

2.2. Method 2–Manually Running CREATE Queries

9. Connect to the instance (see instructions in part 3)

10. Open "flights.cyp" and run the CREATE queries in the query console. Neo4j has rate-limiting issues that prevent you from running all of the queries at once so please run them chunk by chunk. The chunks are separated with newlines in the file for your convenience.
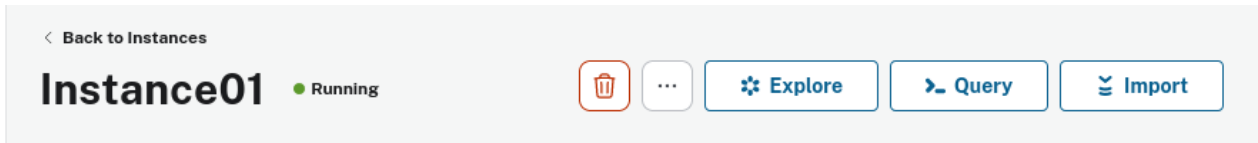
2.3. Check Import Success

11. The instance should have 105 nodes and 180 relationships after importing all data.
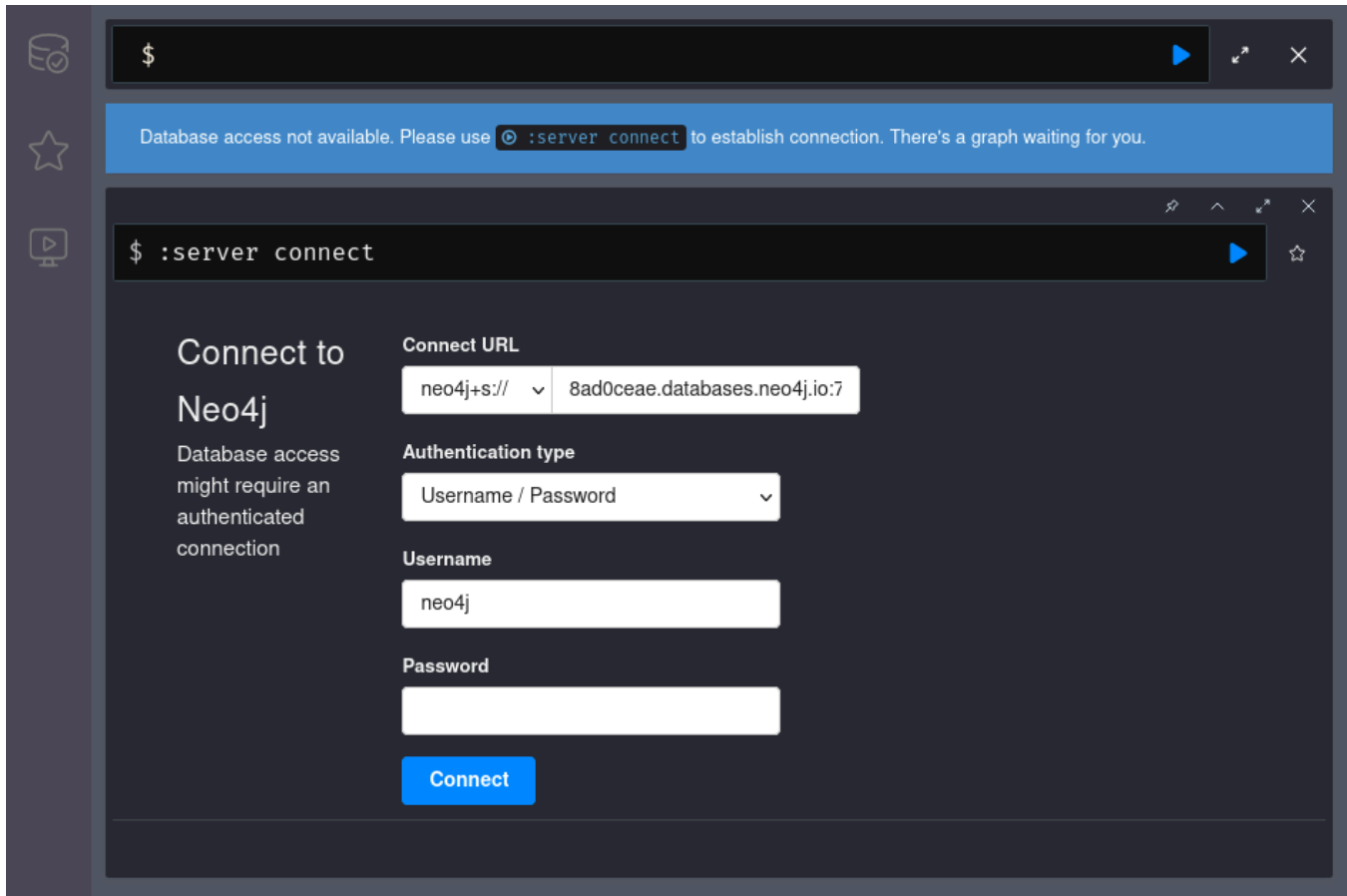
3. Connecting to the Database

12. Once the instance status is "Running," in the instance page press "Query" in the top right corner.

13. Fill in the database details and credentials and then connect to the database.

14. The console will now show up and you should be able to execute queries here.