MOVIE RECOMMENDATION SYSTEM
INSTRUCTIONS TO EXECUTE CODE

Tools required:

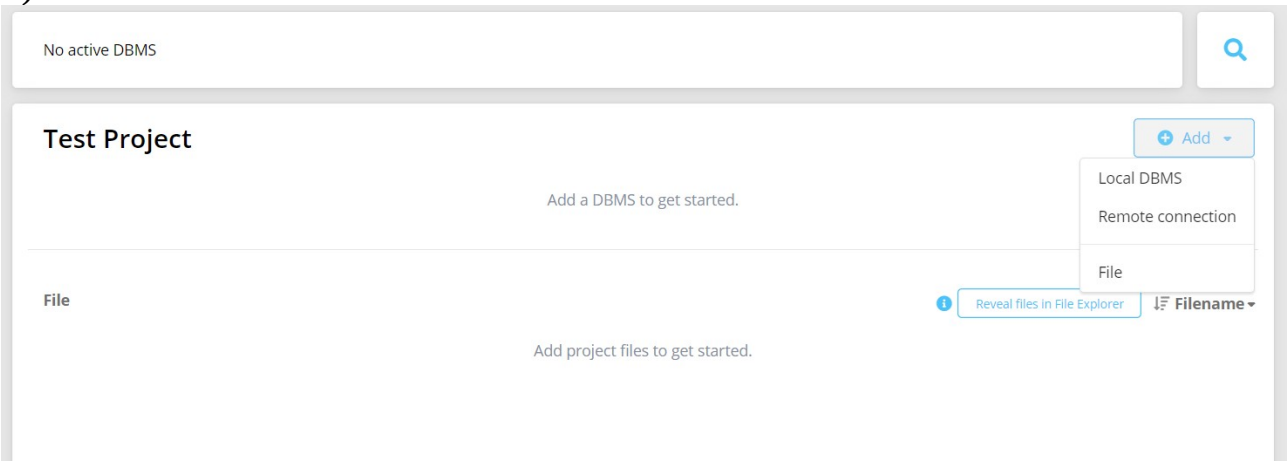
- Neo4J Desktop, or alternatively AuraDB or Sandbox. The procedure may vary slightly for each of these. Here we're using Neo4J Desktop.
- Python 3
- Neo4J library for Python. To get this, run "pip install neo4j" or use any package manager that you use.

Instructions:

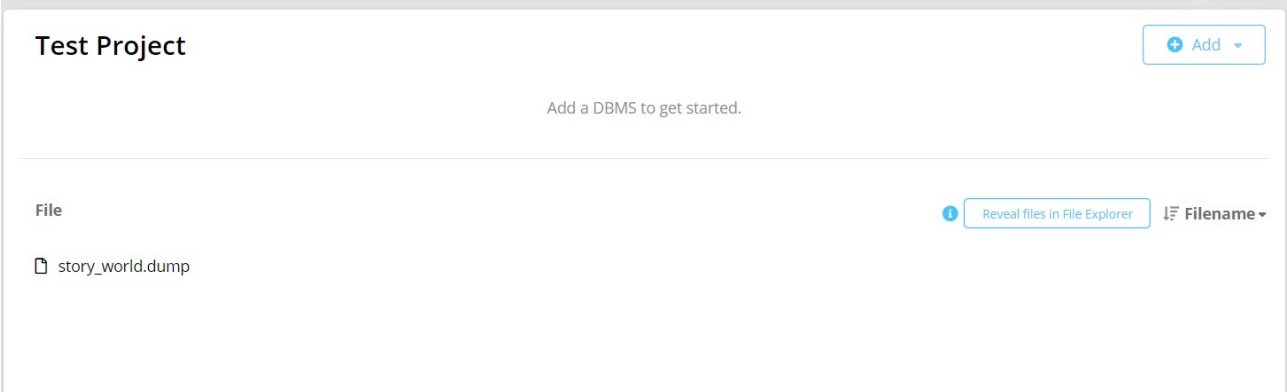
Neo4J (using the dump file):

1) Create a new project in Neo4J. You can use Neo4J desktop, AuraDB or Sandbox.

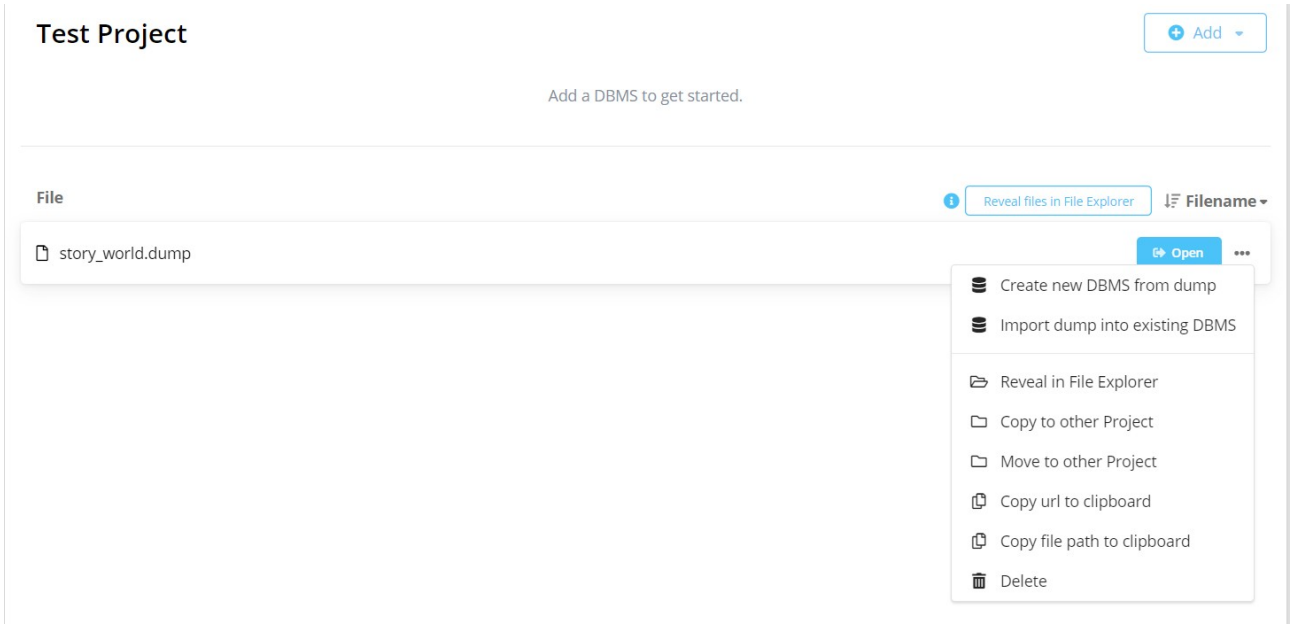
2) Now click on Add and then File.



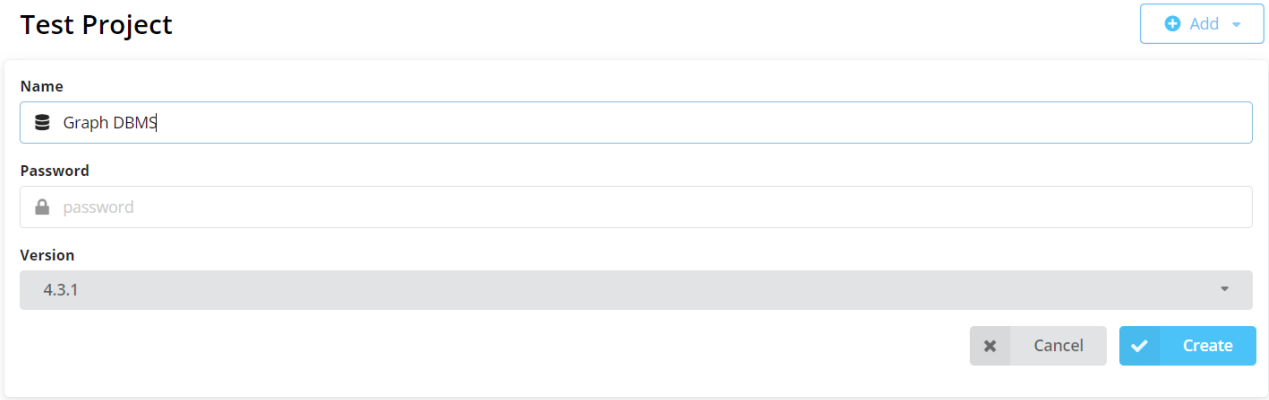
3) Select the dump file in the folder. It should appear in the File section.



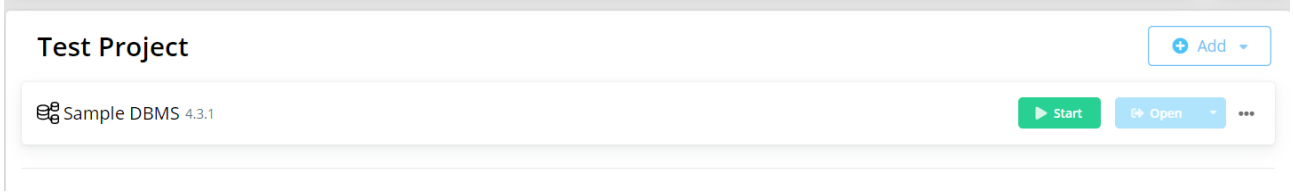
4) Now click on the three dots next to it and click on "Create new DBMS from dump".



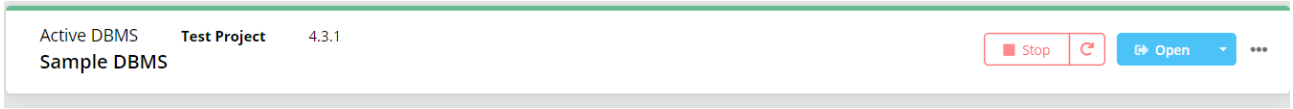
5) Now give the required name to the DBMS and an appropriate password.



6) Then hit create. You've successfully created the database with the required data. Now you can start the database. You need to start the database to be able to communicate with the it.



7) Now you can open the database in Neo4J Browser and enter Cypher commands to interact with it.



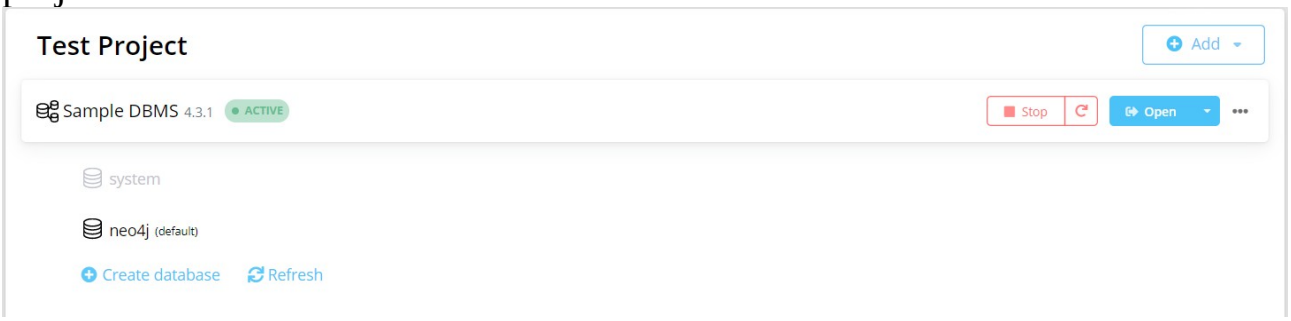
8) Now here, as is visible, the neo4j database is the default database running when launching the DBMS.

So this should be the name of the database. The password is the password you gave to the DBMS.

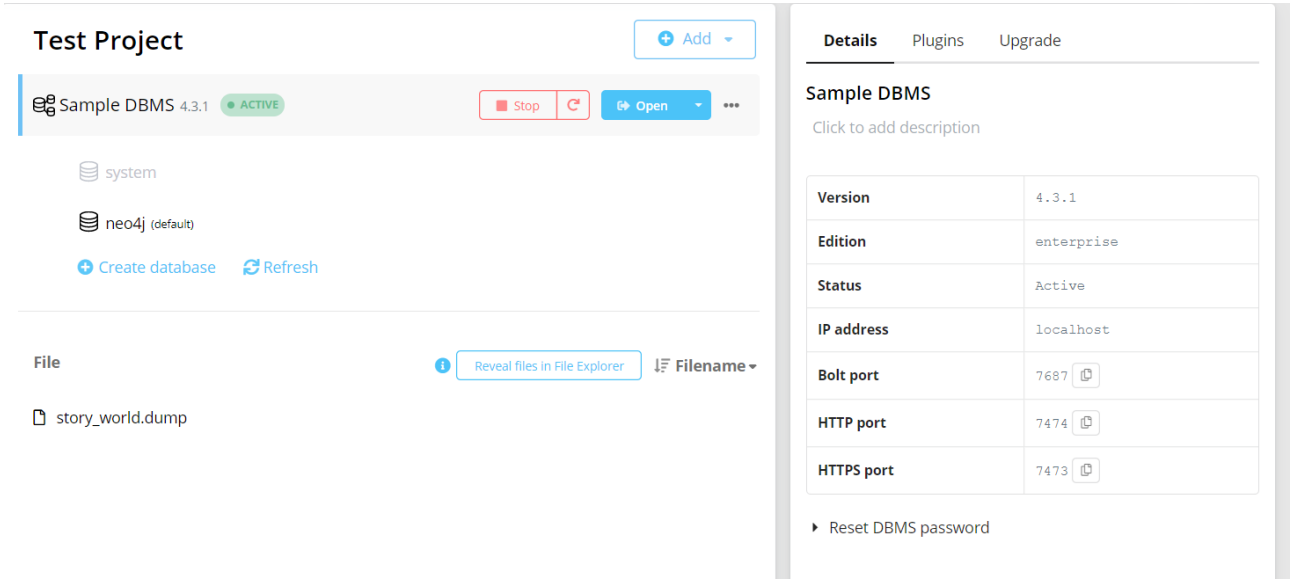
These are the credentials you need to give in the Python file for it to be able to interact with the database.

```
#Neo4J database credentials
uri             = "bolt://localhost:7687"
userName        = "neo4j"
password        = "movie"
```

9) Now to find the URI, which is the link to the database, we click on the project.



This should open the following



Here, we can copy the bolt port by clicking on that icon. Then we can paste that as the URI in the python file.

Flask

To get Flask, run “pip install flask”

OMDb API

Go to the OMDb API website and get an API key, or just click directly on http://www.omdbapi.com/apikey.aspx to get an API key. You need to enter you name, email address and description of website. Once done, you’ll get an API key in your email. Paste that in app.py in the following section.

```
#OMDB API Key
api_key = '4ac78a08'
```

Running instructions

To run this code, go to this folder in the command line and type “python app.py”. You can run it any other way you want as well. Once done, it’ll show the URL to go to for the website.