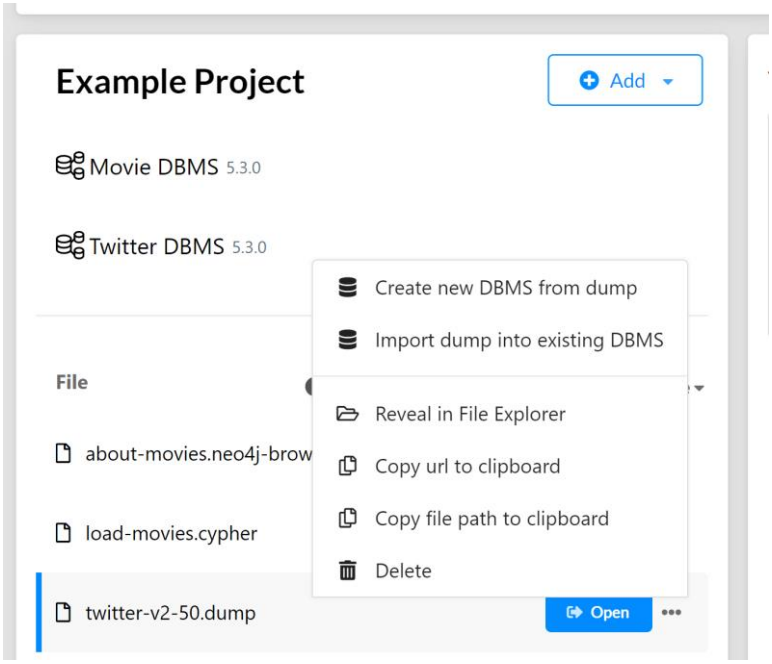
Exercise 3: Build Twitter Graph

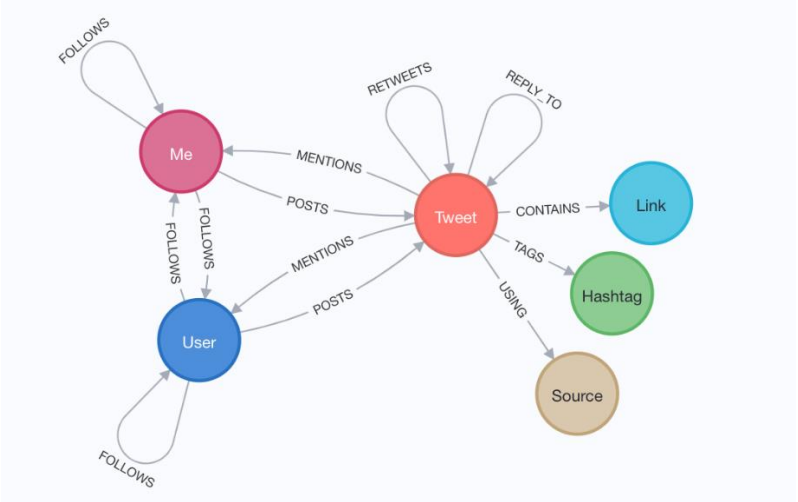
Start this exercise by downloading the Twitter dump file from the link below. To create the Twitter graph, follow the following steps:

1. Create a project in Neo4j.
2. Add the dump file to the project.
3. Click on the three dots next to the dump file and choose ***Create new DBMS from dump*** (as in the snippet). (You might be requested to create a password)
4. After loading the Twitter DB into your Neo4j Desktop application, start the DB and open it in a the Neo4j browser.

Download the dump file (https://github.com/neo4j-graph-examples/twitter-v2/blob/main/data/twitter-v2-50.dump)



After starting your Twitter DB, you will have a large graph representing several types of entities and their relationships detailed in the below figure.



Tasks to perform on the Twitter Graph

After building the Twitter Graph in Neo4j, write the Cypher required to perform the following tasks and take a snippet (Picture) of the graph resulted and add it to your submission file.

For example, to show all the Tweets posted by (me) node we use the following cypher:

```
MATCH  (u:Me:User)-[p:POSTS]->(t:Tweet) return  u,p,t
```

1. What hashtags have you used most often?
2. Who are your most influential followers?
3. Who's mentioning you on Twitter?
4. Create a new Tweet posted by you. (Show the new nodes and relations in a graph)
5. Create a new User and follow this user. (Show the new nodes and relations in a graph)

To submit your solution

After building the Twitter Graph in Neo4j, and after solving the above tasks. Write down the Cypher required to perform each task and take a snippet (Picture) of the resulted graph and add it to your submission file. Name the word file **Ex3_Neo4j_YourStudentID** and upload it in the HW opened on e-learning.