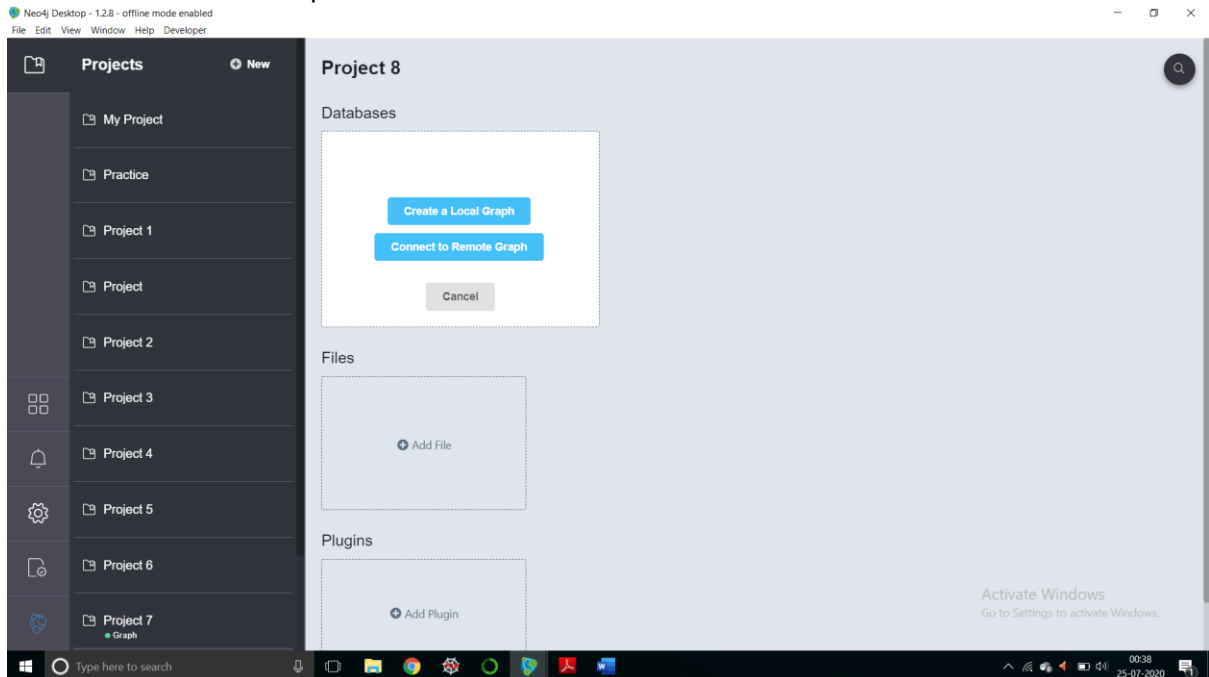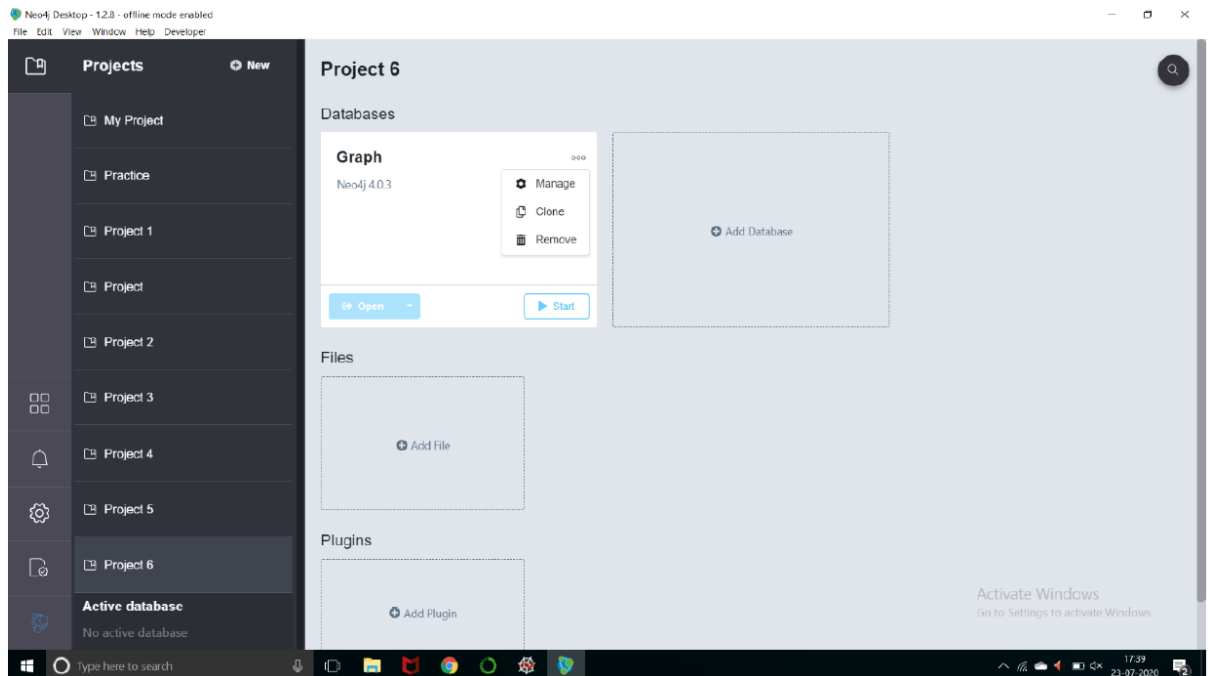# Steps to create Neo4j Graph from database

Create a new project on Neo4j with your username and password
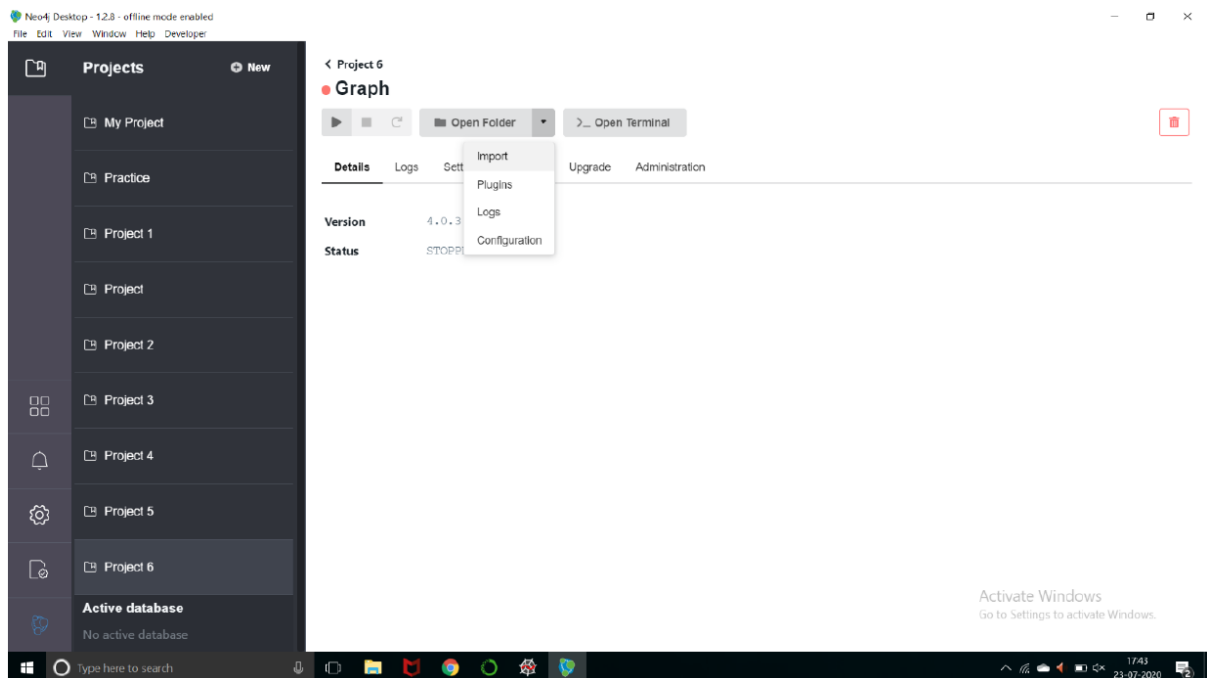
Select: Create a Local Graph

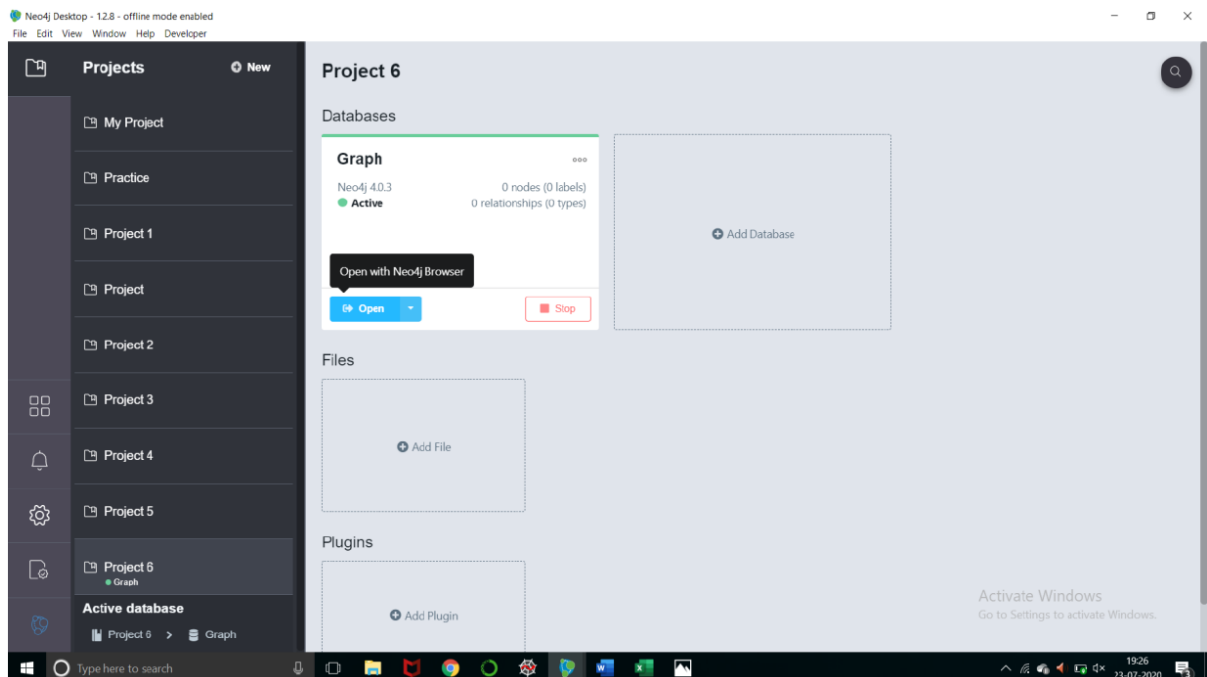Click on the 3 horizontal dots -> Manage

Click on open folder, a drop-down menu will appear ->Click import -> A folder will open ->

Put data.csv (the csv file containing entities) file in that folder and close the import folder-> Go back to the project.

Start the project and open the neo4jwebpage.

Give the following commands and run:

LOAD CSV FROM 'file:///data.csv' AS row

RETURN count(row)

LOAD CSV with headers FROM 'file:///data.csv' AS row

with row limit 1 return keys(row)

```
LOAD CSV WITH HEADERS FROM 'file:///data.csv' AS row
WITH row["subject"] AS sub , row["sentence"] AS attribute
MERGE (o:Order {sub: sub})
        SET o.attribute = attribute
RETURN count(o)
```
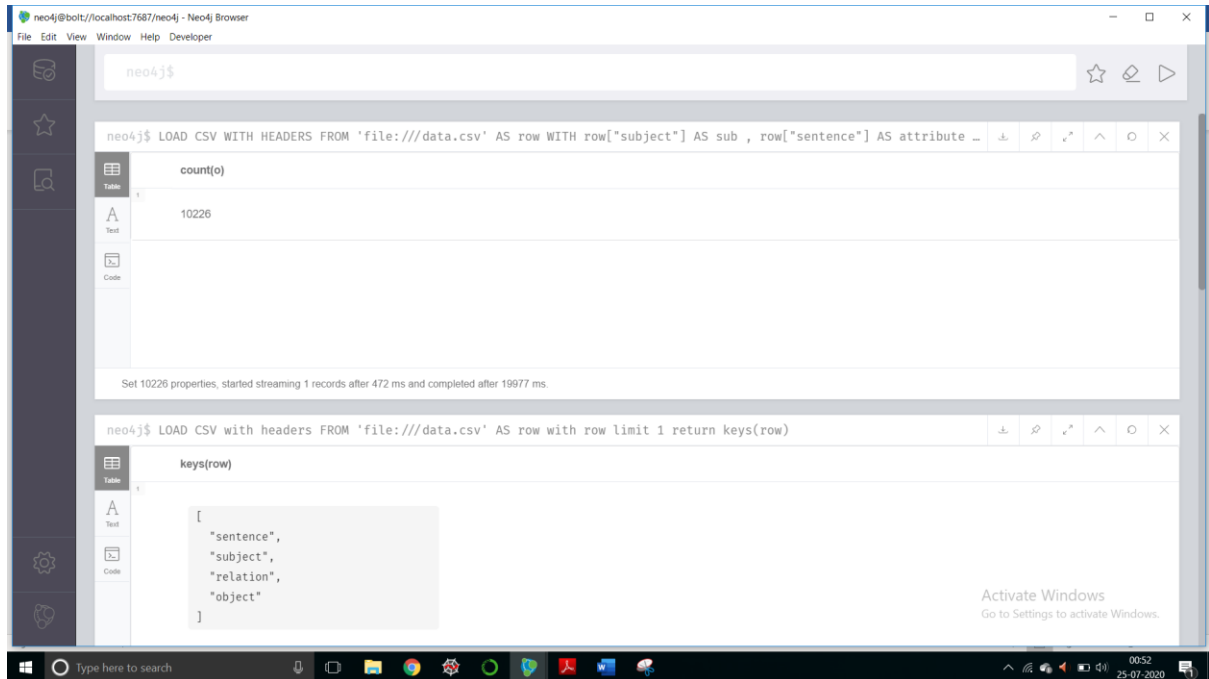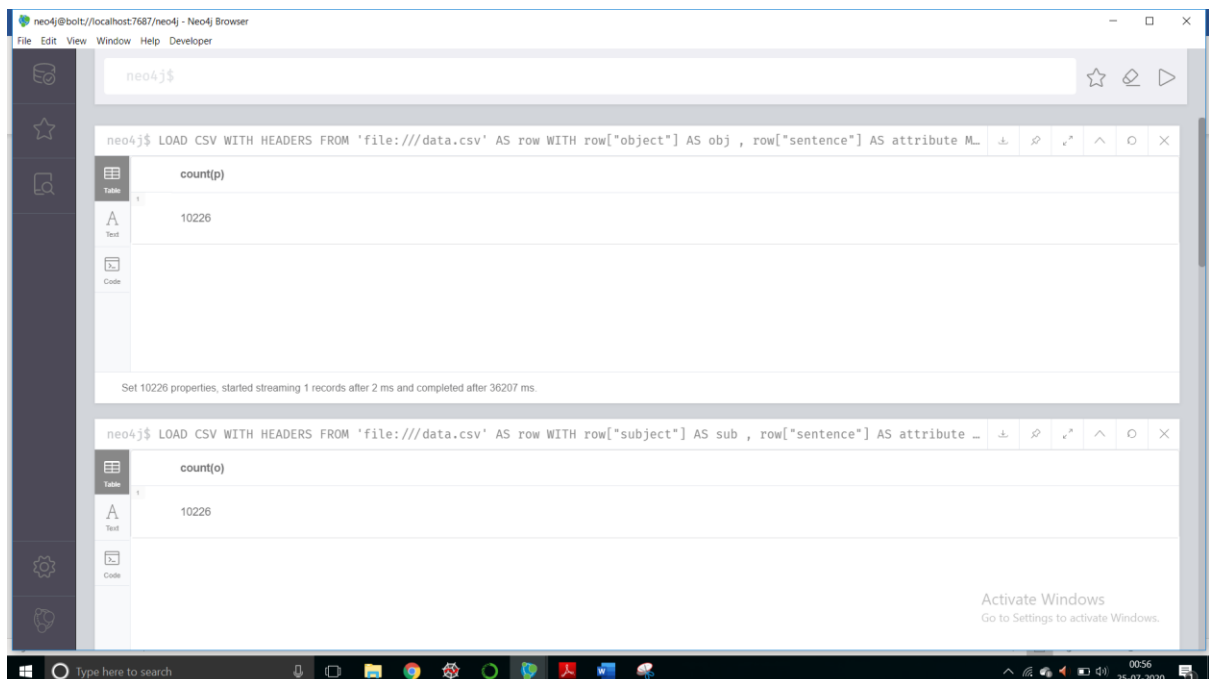


```
LOAD CSV WITH HEADERS FROM 'file:///data.csv' AS row
WITH row["object"] AS obj , row["sentence"] AS attribute
MERGE (p:Pred {obj: obj})
SET p.attribute = attribute
RETURN count(p)
```

LOAD CSV WITH HEADERS FROM 'file:///data.csv' AS row WITH row["relation"] AS re, row["object"] As obj,row["subject"] As sub MATCH (p:Pred {obj: obj}) MATCH (o:Order {sub: sub}) MERGE (o)-[rel:CONTAINS {re: re}]->(p) RETURN count(rel)

MATCH (o:Order)-[rel:CONTAINS]->(p:Pred)
RETURN p, rel, o LIMIT 500

SAMPLE QUERY:

```
MATCH (o:Order)-[rel:CONTAINS]->(p:Pred{obj:"hemorrhage"})
RETURN p, rel, o LIMIT 5
```
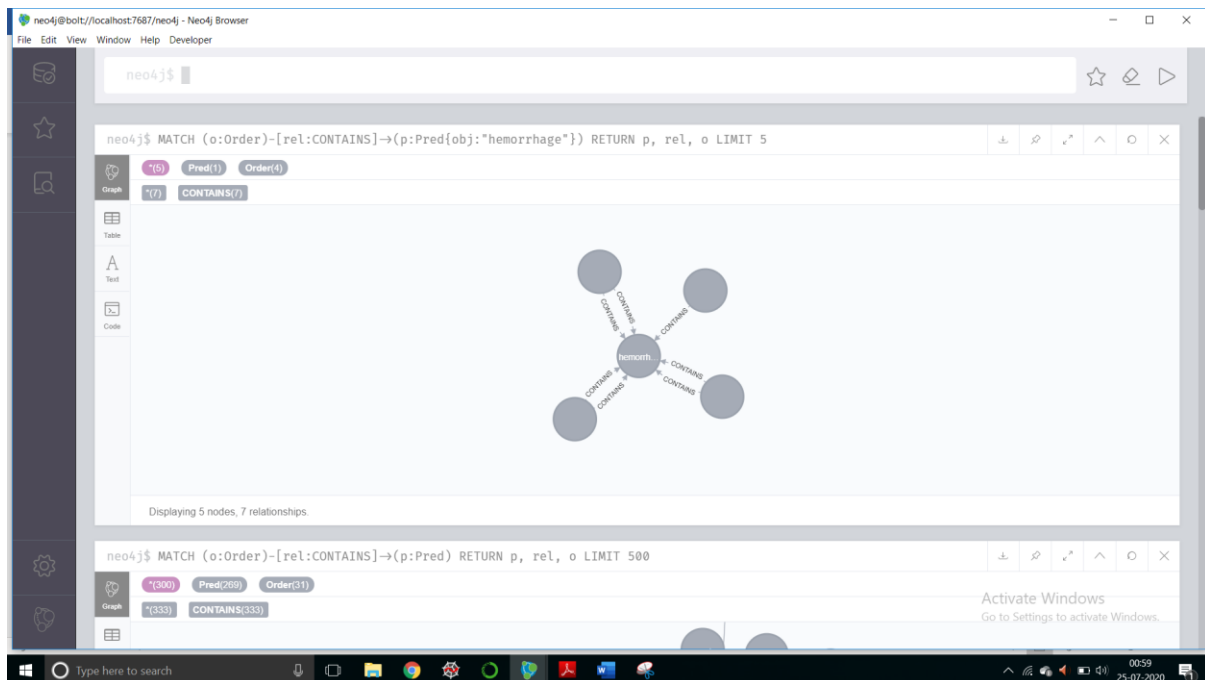

Possible Changes you can achieve in building knowledge Graph:

Large volume of data in neo4j can be imported by changing configuration of the project in Neo4j settings by following required steps. The current file has approx.10K rows. The following links might be useful:

https://community.neo4j.com/t/load-large-volume-of-data-in-neo4j/14571

https://groups.google.com/forum/m/#!topic/neo4j/jSFtnD5OHxg