
DBeaver

Request DBeaver Academic License

A DBeaver academic license can be requested through the following site using an academic email address:

<https://dbeaver.com/academic-license/>

Download DBeaver

DBeaver Enterprise Edition can be downloaded from the following site:

<https://dbeaver.io/download/>

Setting Up DBeaver for IBM Cloud Server

Before configuring the connection between DBeaver and the iCloud server, you will need the following information provided by your instructor:

Host IP:

Database/Schema:

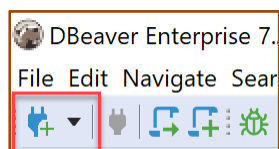
Username:

Password: Same as your username. The password can be changed later

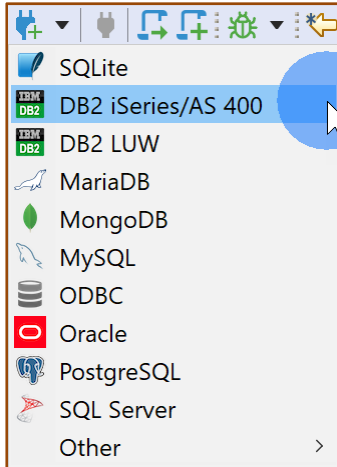
Setup Connection to iCloud Server

Perform the following steps to configure the connection between DBeaver and the iCloud server.

- Click *New Database Connection icon*



- Click *DB2 iSeries/AS 400*



Connection settings

- Fill-in the connection settings:
 - **Host:** 99.99.999.99, where 99.99.999.99 is the IP address of the iCloud server
 - **Database/Schema:** Your assigned schema
 - **Username:** Your assigned username
 - **Password:** Your assigned password

Connect to database

Generic JDBC Connection Settings

DB2 iSeries/AS 400 connection settings

Main Driver properties SSH Proxy

General

JDBC URL: jdbc:as400://12.42.204.30;libraries=ibm9999;

Host: 12.42.204.30 Port: 446

Database/Schema: ibm9999

Authentication

Authentication: Database Native

Username: ibm9999

Password: ••••••

☒ Save password locally

i You can use variables in connection parameters. Connection details (name, type, ...)

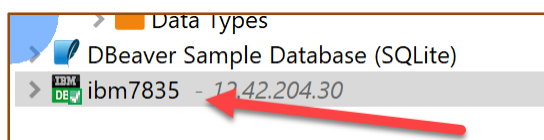
Driver name: DB2 iSeries/AS 400 Edit Driver Settings

Test Connection ... < Back Next > Finish Cancel

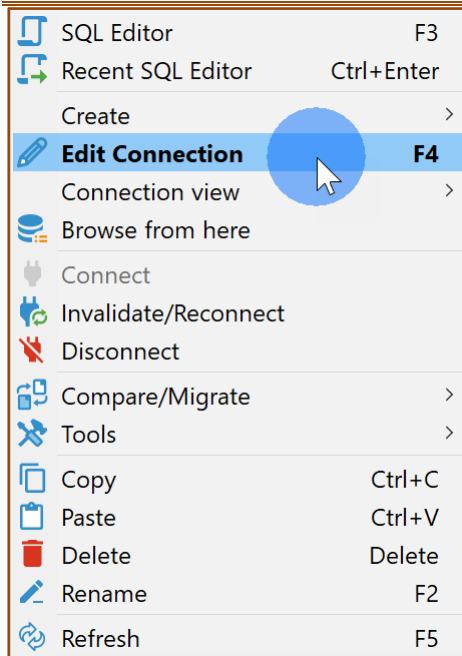
- Click *Finish*

Connection settings - General

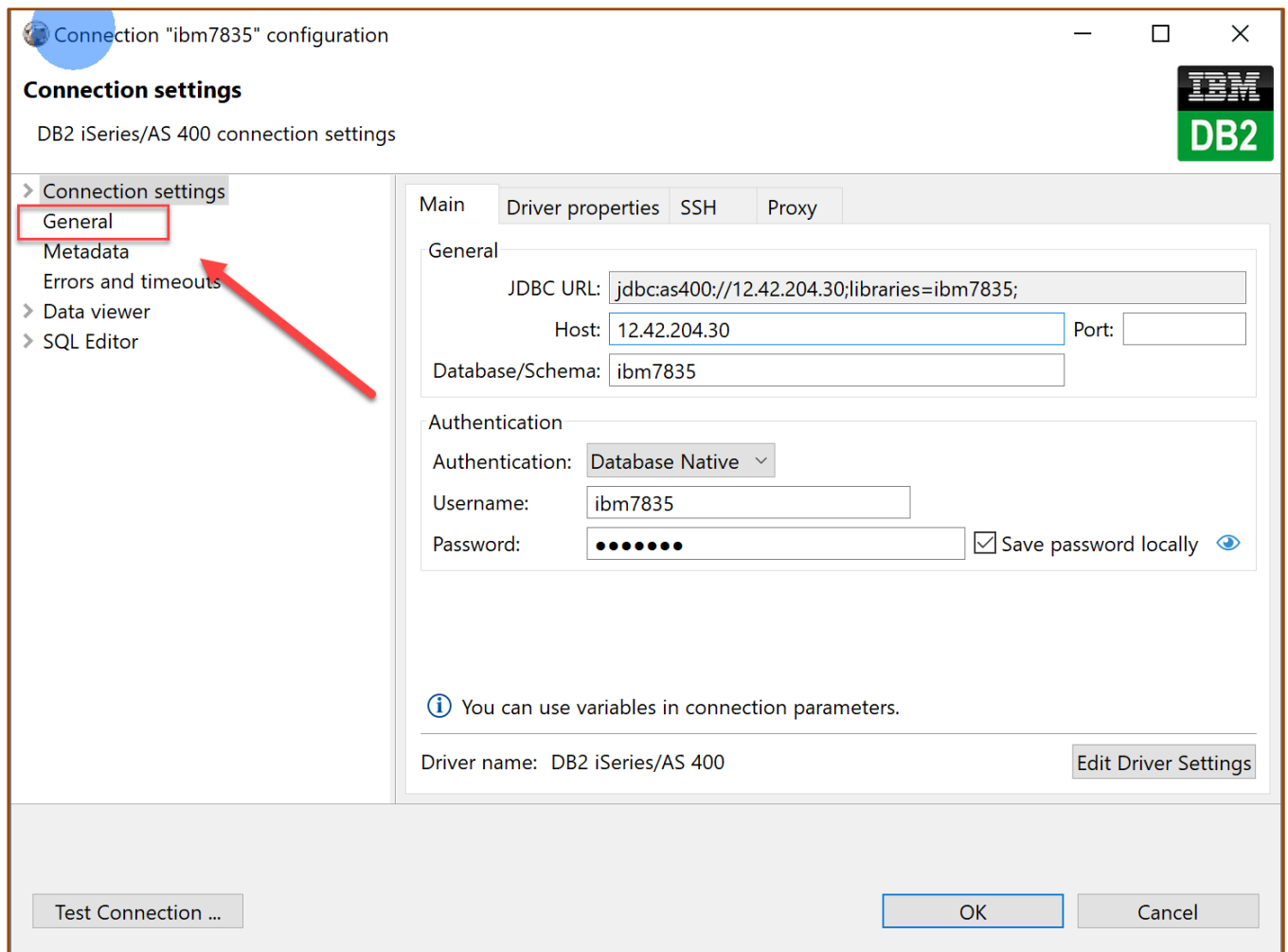
- **Right click** the server: *ibm9999*, where 9999 is your assigned number



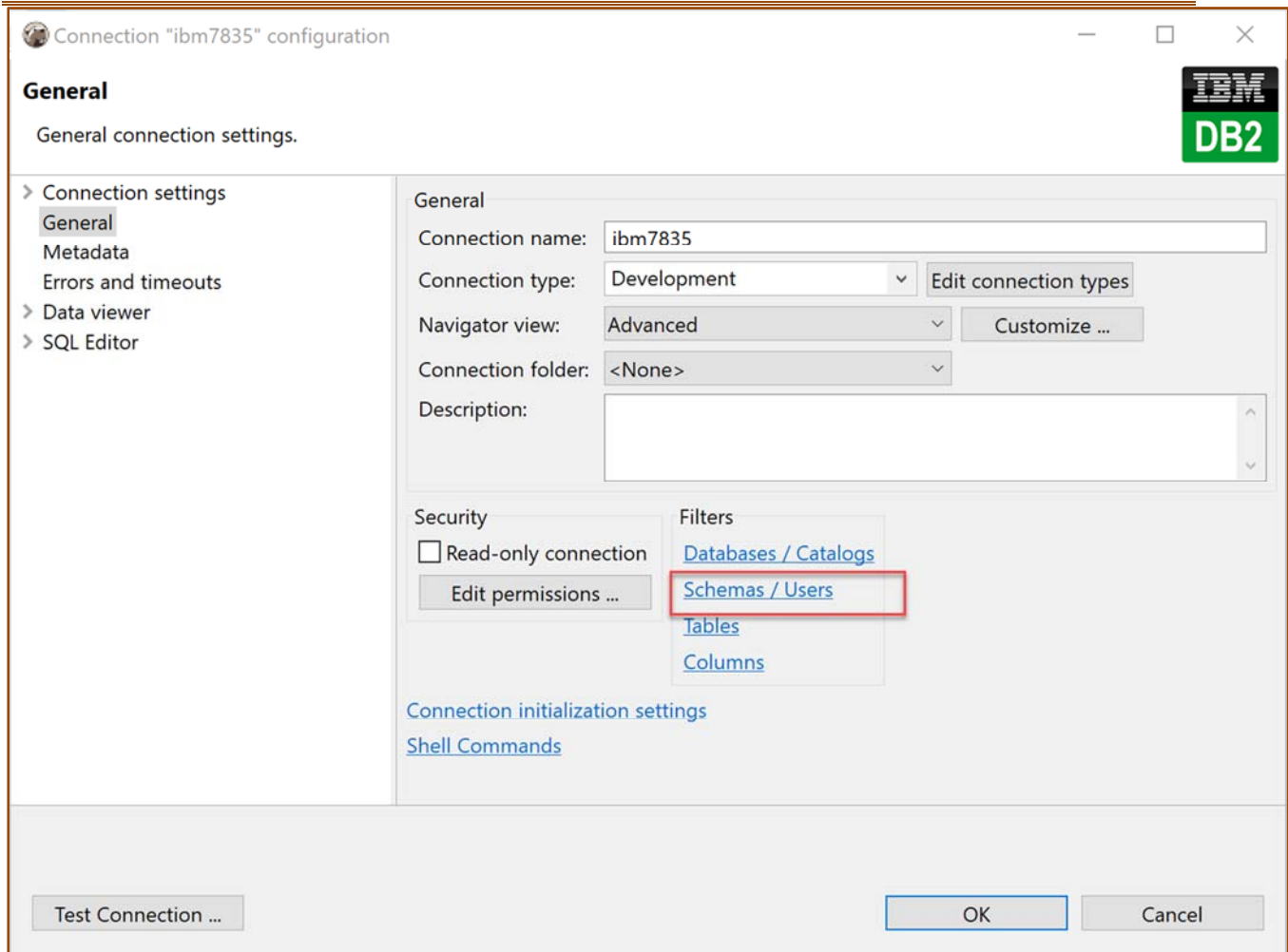
- Click *Edit Connection*



- Click *General*



- Click *Schemas / Users*



- Click *Add* and add the two schemas:
 - LCPUBLIC
 - Your assigned schema

Filtering: Schemas / Users


☒ Enable

Include

IBM7835	Add Remove Clear
COMMONLIB	

Exclude

	Add Remove Clear

 You can use masks (% , _ and *) in filters

Saved filter

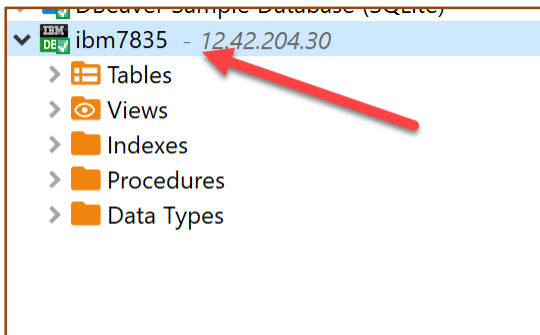
Name: Save Remove

OK Cancel

- Click *OK*
- Click *OK*

Expand Server Tree

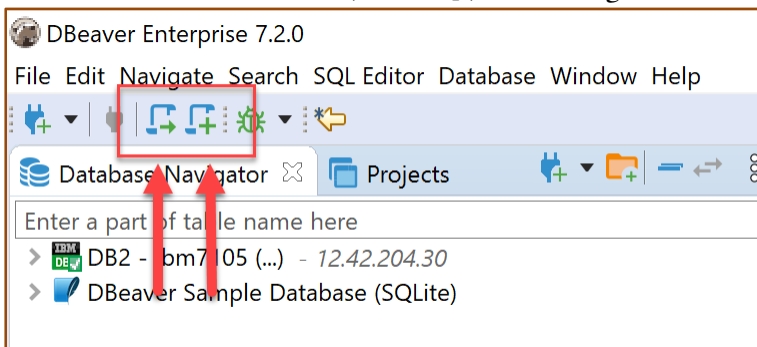
- Click *down arrow* to expand server tree



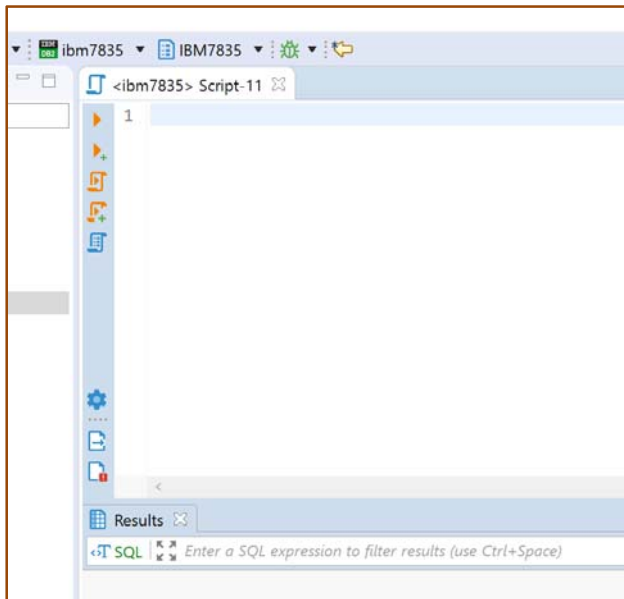
Open SQL Editors

To open the SQL editor, select:

- Recent SQL editor (Ctrl + Enter) on the left
- New SQL Editor (Ctrl +]) on the right



- Click *New SQL Editor* (Ctrl +]) on the right
- A new SQL editor appears as shown below

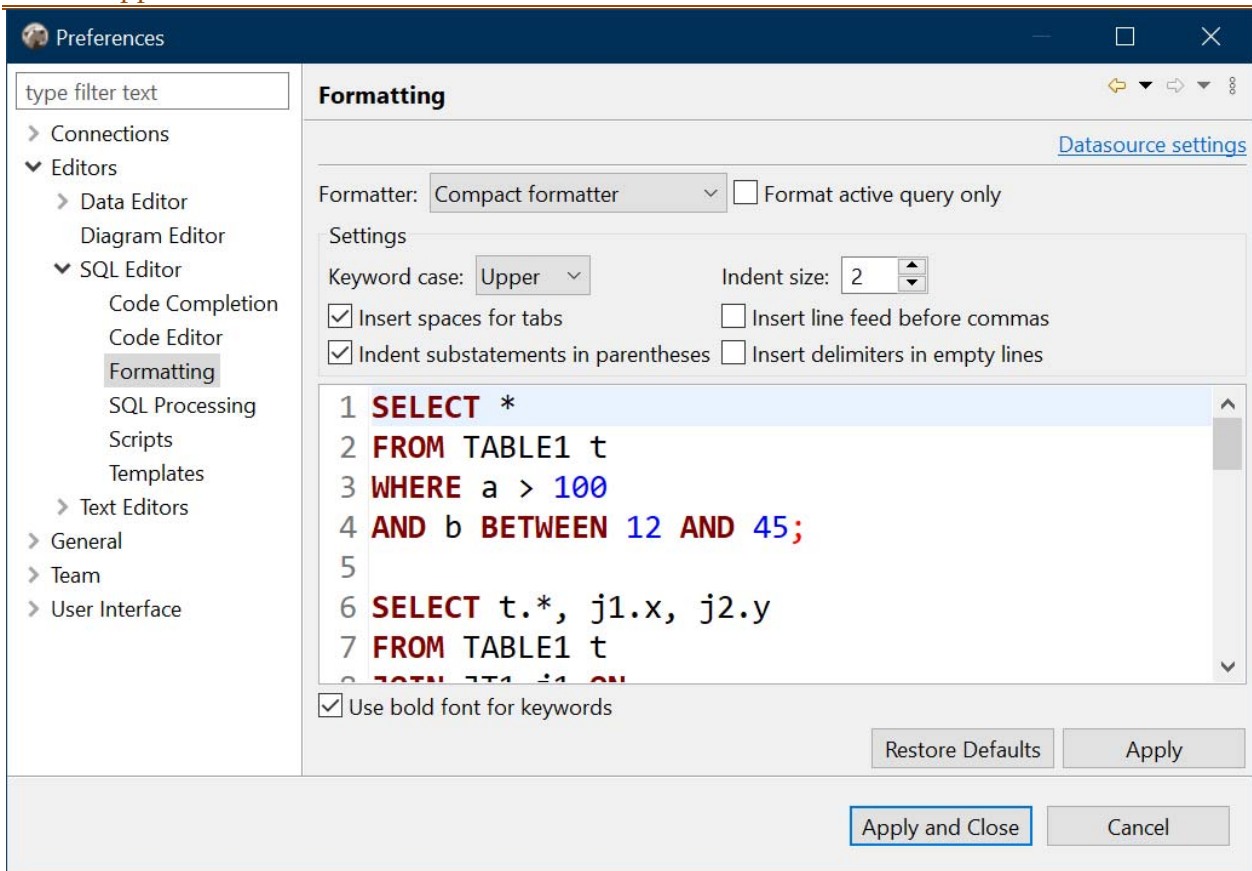


Change Properties

- Click *Window/Preferences*
- Expand *Editors*
- Expand *SQL Editors*

SQL Formatting

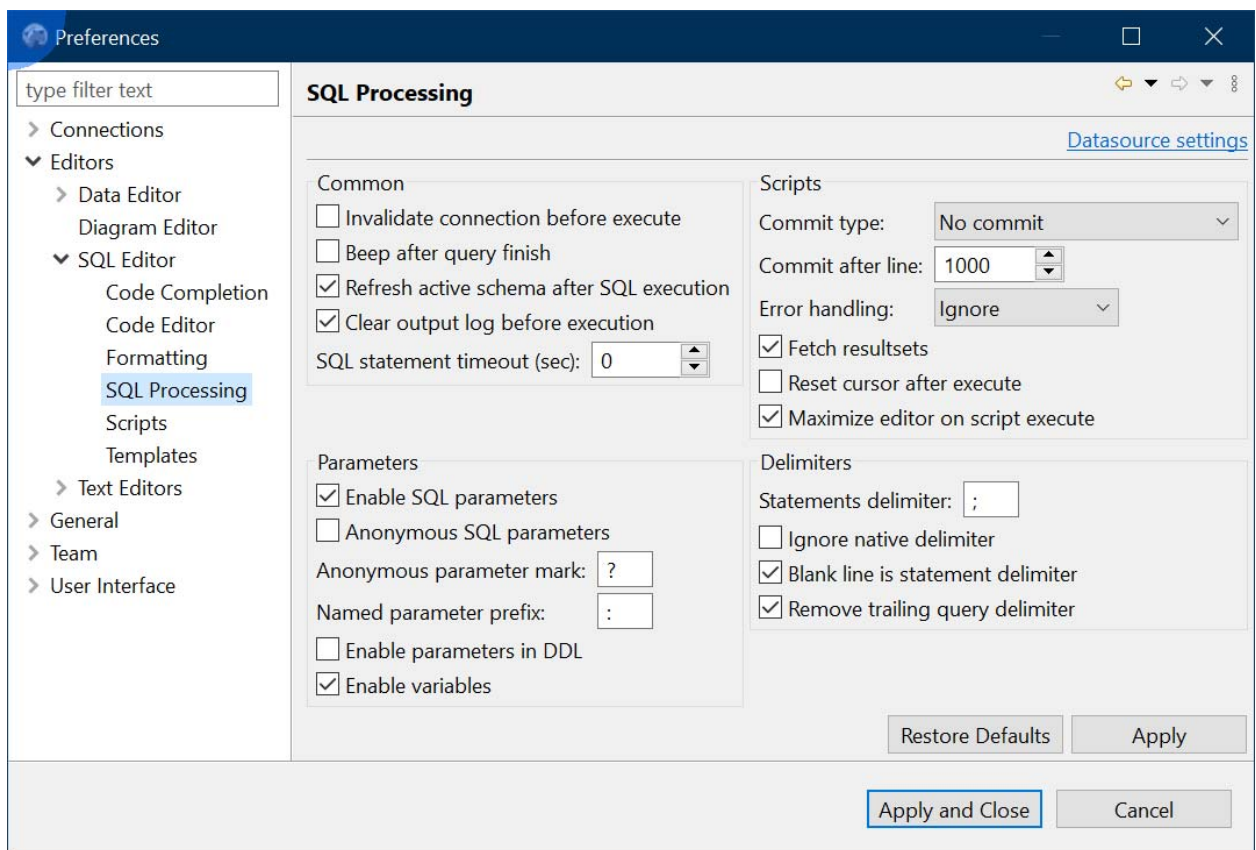
- Click *Formatting*
- Click and **unclick** as shown below:
 - Indent size: 2
 - Click Insert spaces for tabs
 - Keyword case: Upper



- Click *Apply*

SQL Processing

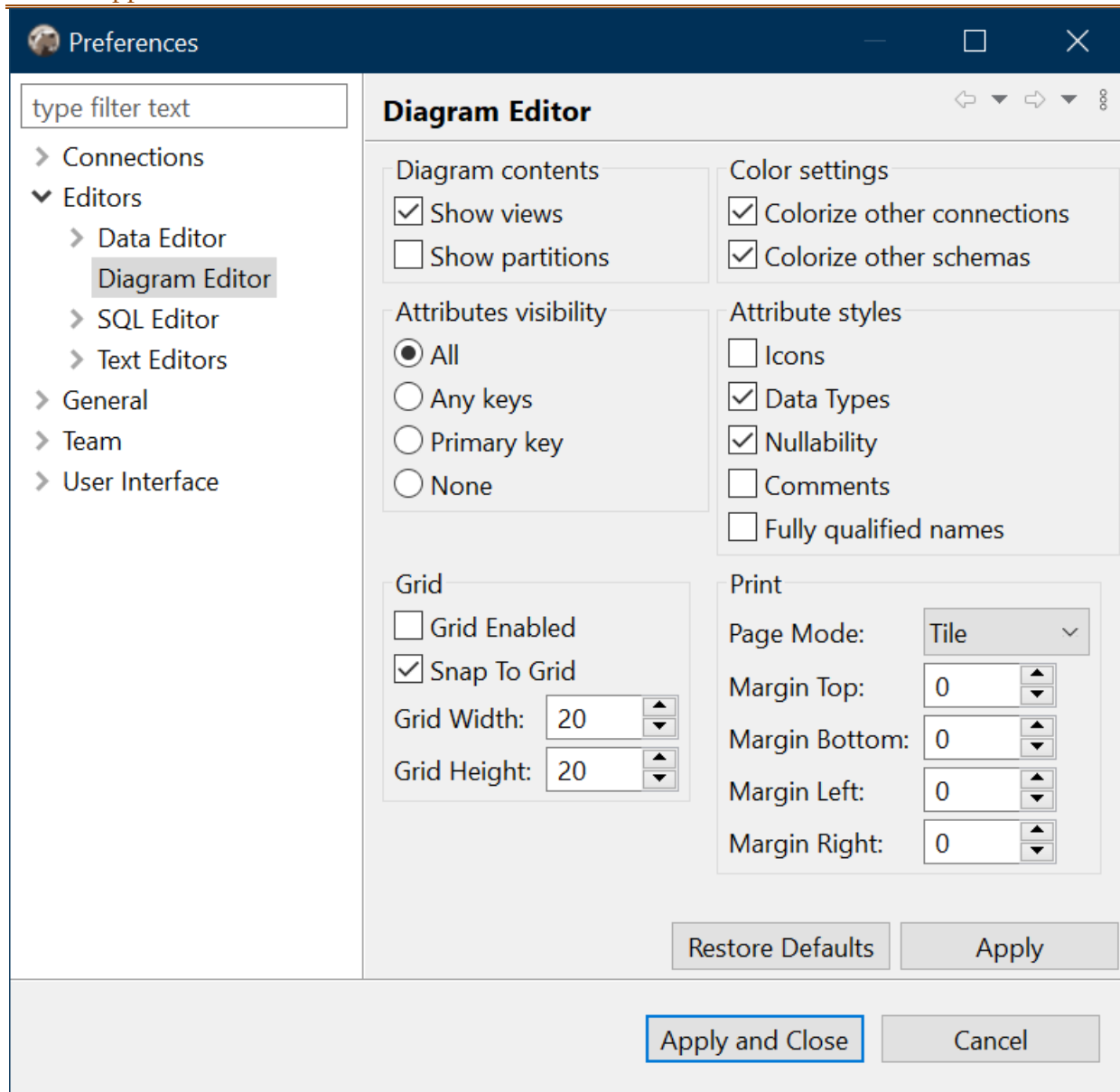
- Click *SQL Processing*
- Click and **unclick** as shown below:
 - Clear output log before execution
 - Error handling: Ignore



- Click *Apply*

Configure ERD Editor

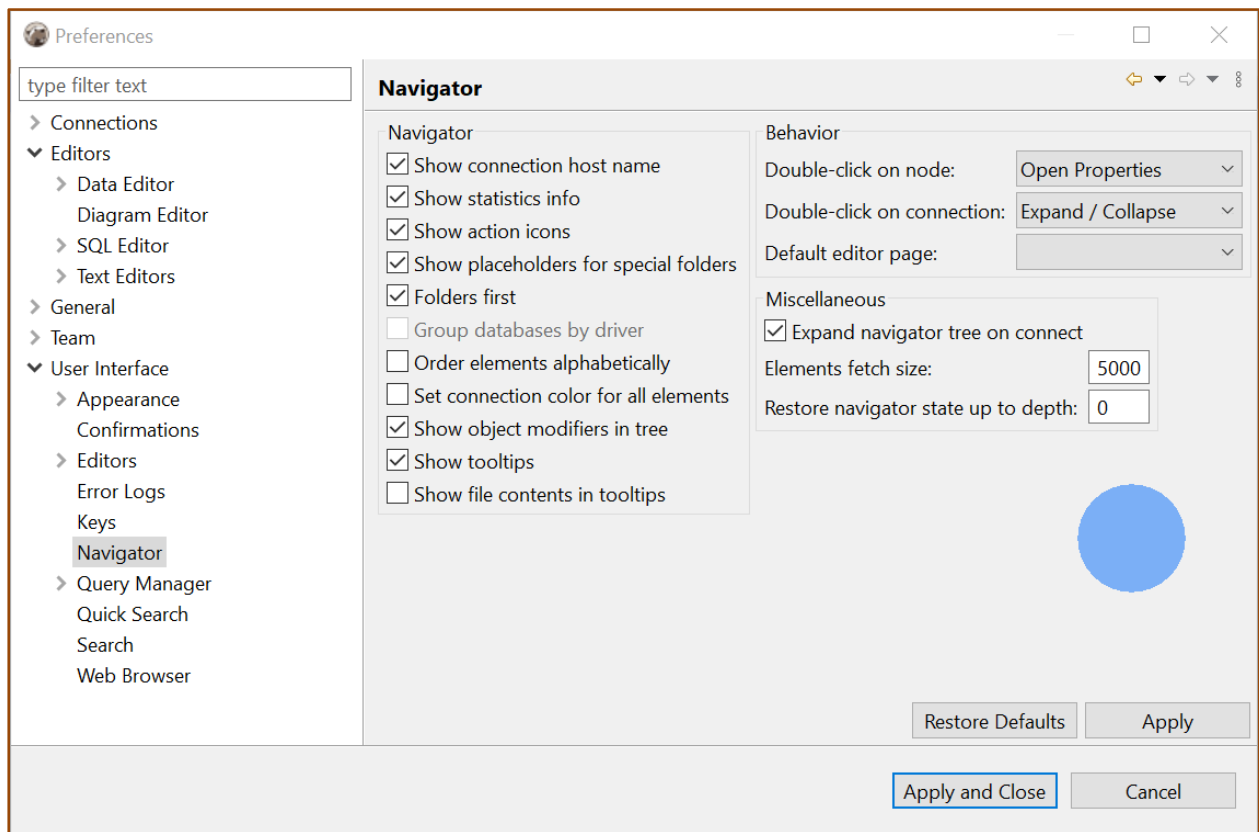
- Click *Diagram Editor*
- Click and **unclick** as shown below



- Click *Apply*

Navigator

- Click *User Interface*
- Click *Navigator*
- Click and **unclick** as shown below
 - Expand navigator tree on connect



- Click *Apply*
- Click *Apply and Close*

Show Line Numbers

Click *SQL Editor*

Click *New SQL Editor*

Right Click *left column* (along the left edge of the editor) in SQL editor

Click *Show Line Numbers*

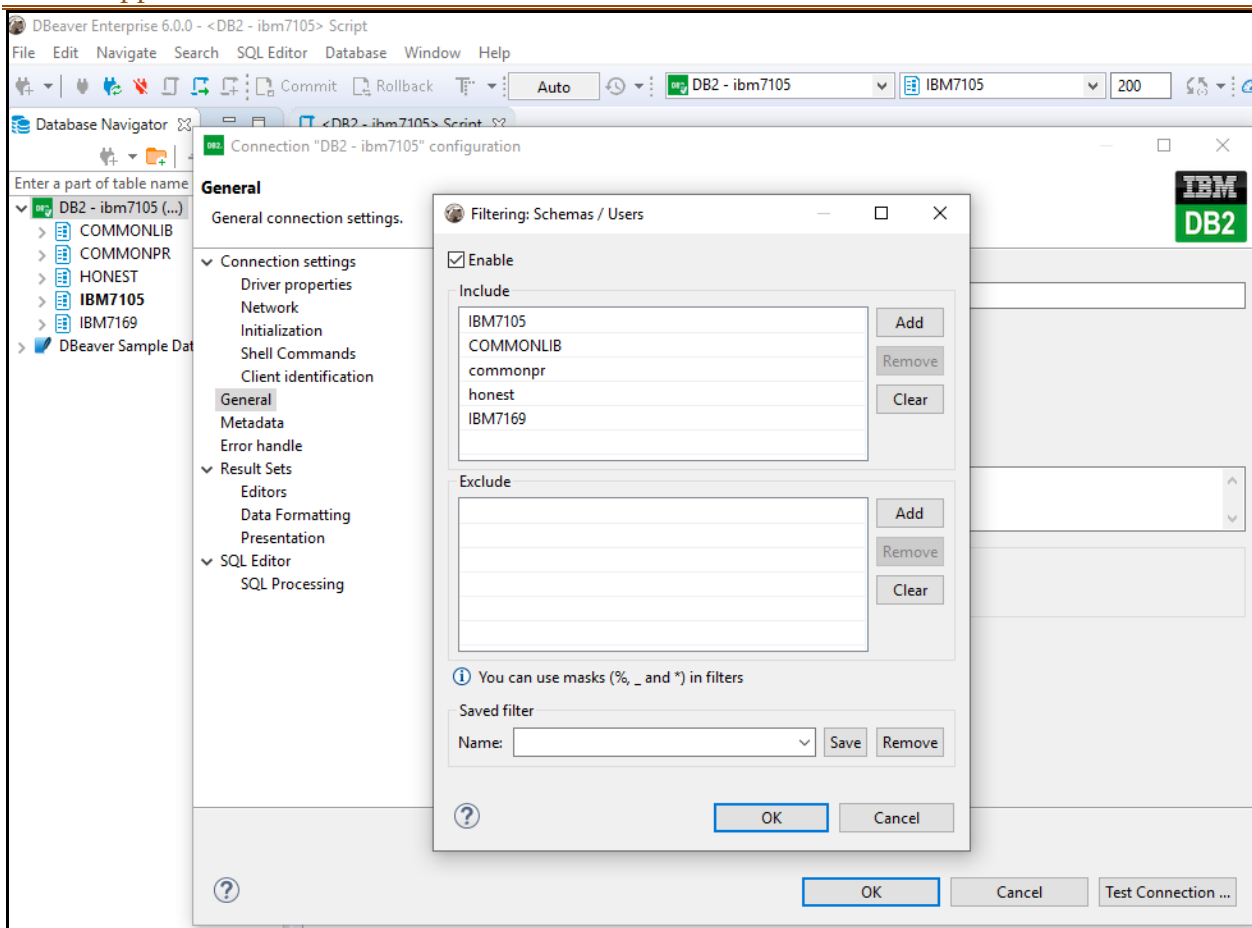
Filtering Schemas

Right click *connection*

Click *Edit Connection*

Click *Schemas / Users*

Add/Remove *schemas* as per instructor's instructions



Display NULL in DBeaver Output

When displaying output, the default for DBeaver is to display NULL values as spaces. To change the spaces to NULL, change the following preference:

Click Preferences → Editors → Data editor → Appearance → Plain text → check Show NULLs

