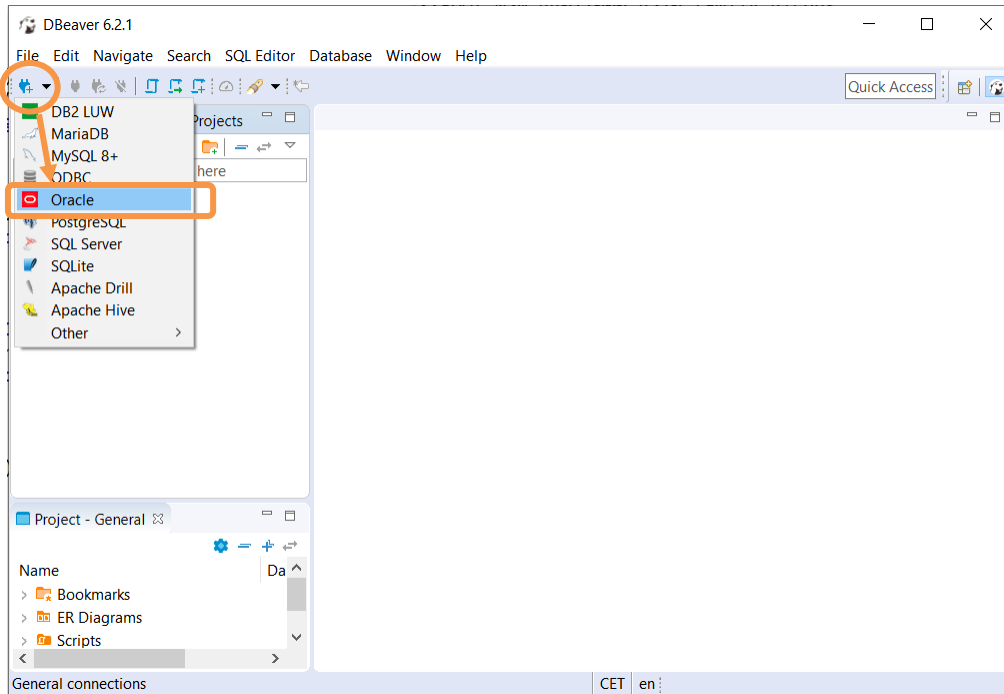
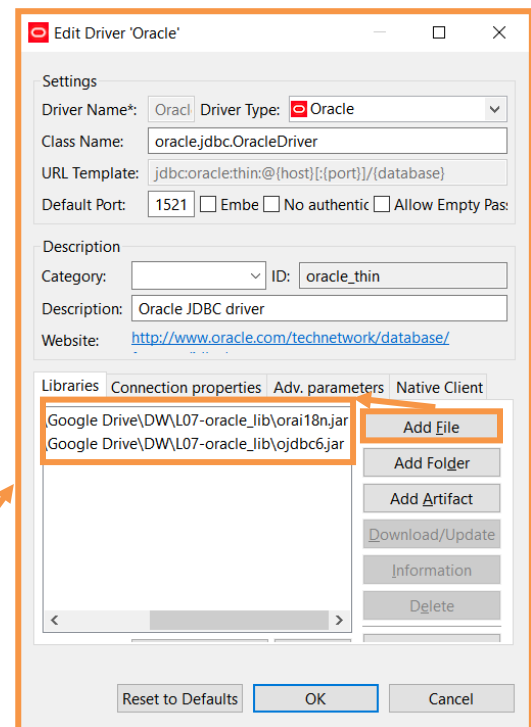
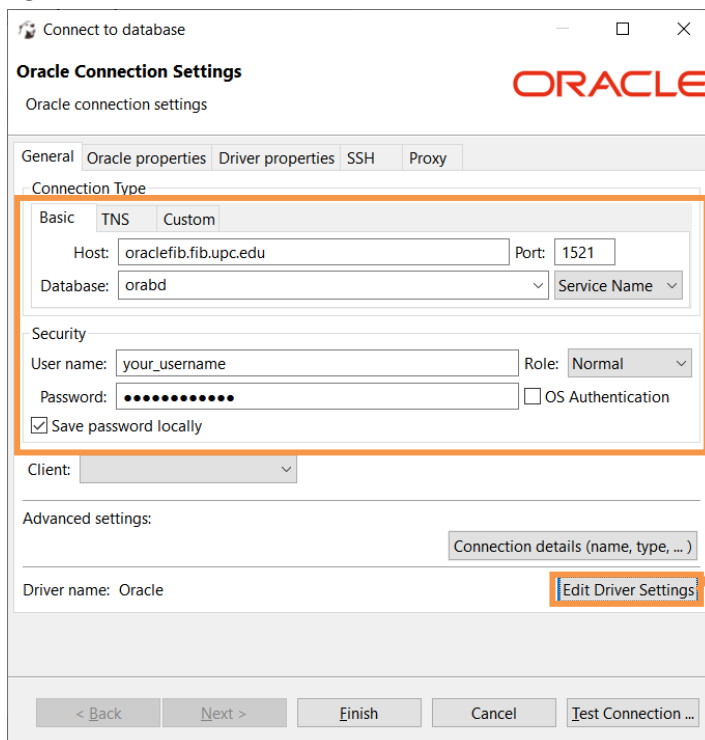


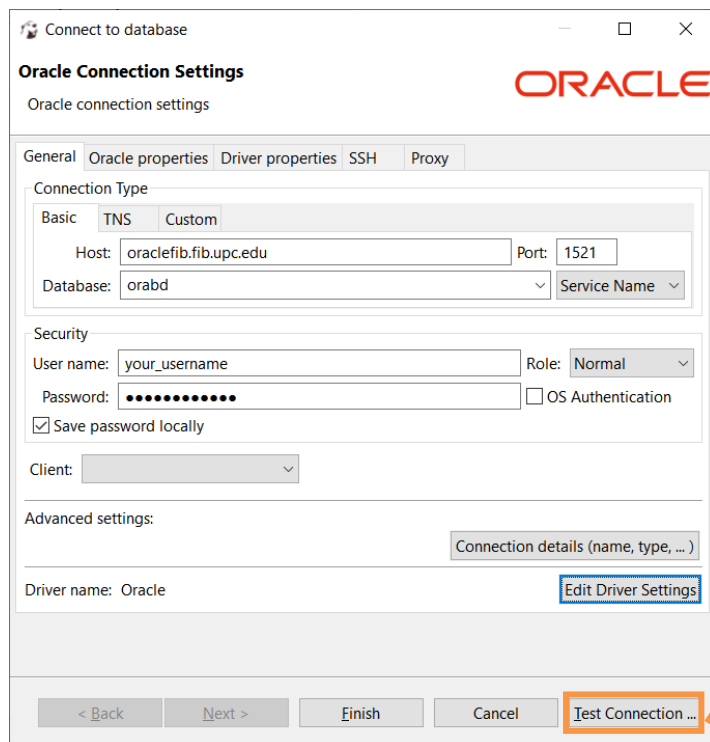
## Setting up the database connection and deploying the LearnSQL database

- First, you need to download the DBeaver tool from the following link:  
<https://dbeaver.io/download/>
- At the same page you may find the installation instruction for the platform you are using.
- After you successfully install and run DBeaver client, you need to add new connection to the fib oracle database as shown in the figures below. You should enter your username and password to connect.

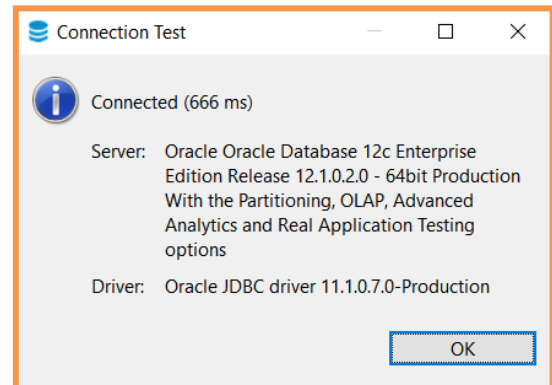


In the case the client detects that you do not have the proper Oracle drivers set up, you should use the same oracle driver jars as for Pentaho Data Integration and add them to the driver setting as explained in the figures below.





The image shows the 'Connect to database' dialog box with the 'Oracle Connection Settings' tab selected. The 'General' tab is active, showing the 'Connection Type' section with 'TNS' selected. The 'Host' is 'oraclefib.fib.upc.edu', 'Port' is '1521', and 'Database' is 'orabd'. The 'Security' section shows 'User name' as 'your\_username', 'Role' as 'Normal', and 'Save password locally' checked. The 'Advanced settings' section shows 'Driver name' as 'Oracle'. At the bottom, the 'Test Connection ...' button is highlighted with an orange box, and an orange arrow points from it to the 'Connection Test' dialog box on the right.




After you provide the configuration details and set up the Oracle drivers, you should test the connection, and if everything is correct, you should get the message as above.

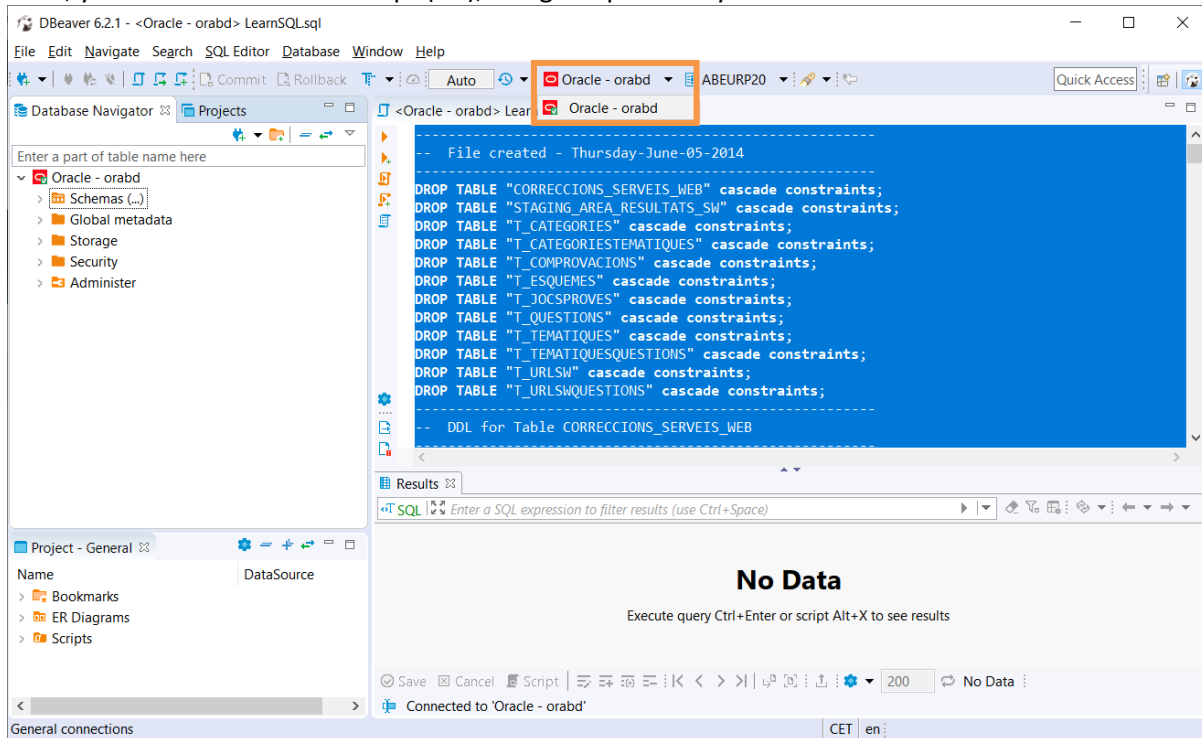
**Note:** Remember that in the case you connect from outside of the UPC network you need to use the VPN connection to LCFIB. The instructions for configuring VPN connection are given in the following pages.

**Windows:** <https://serveistic.upc.edu/ca/upclink/documentacio/upclink-windows-client>

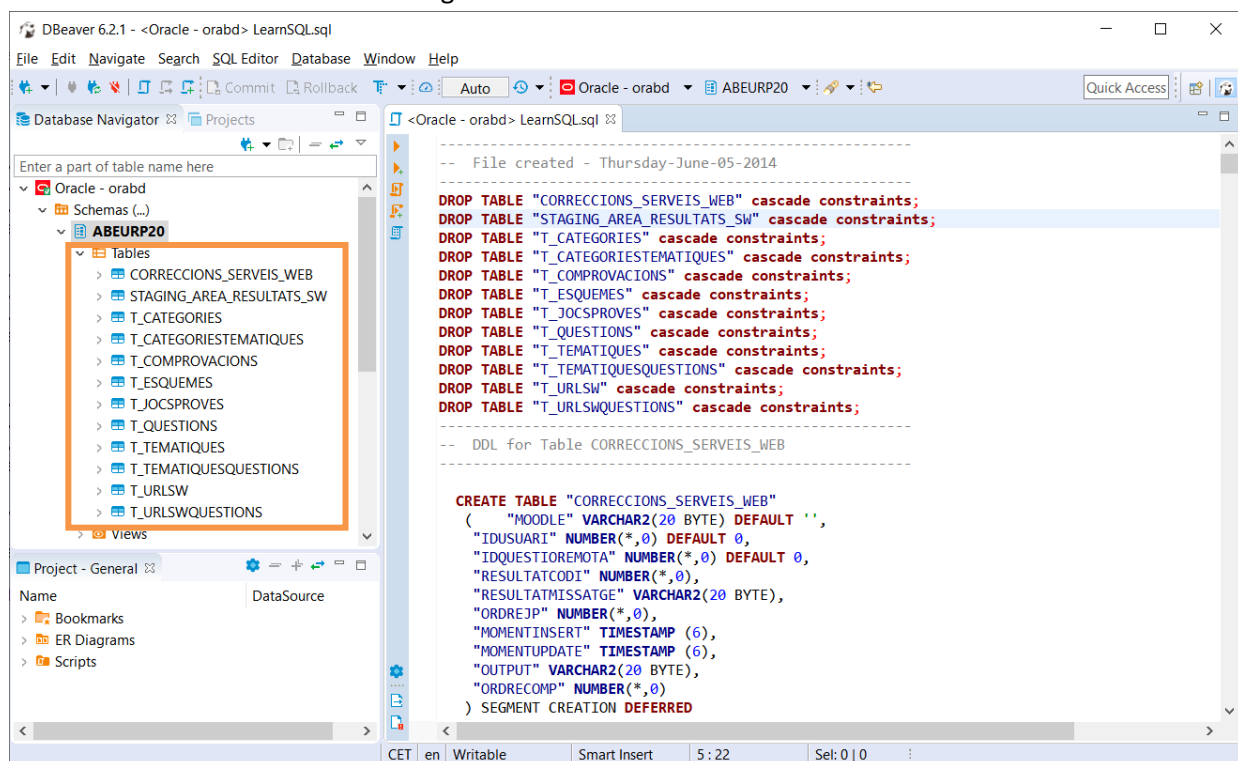
**Linux:** <https://serveistic.upc.edu/ca/upclink/documentacio/upclink-linux-cli-client>

**MacOS:** <https://serveistic.upc.edu/ca/upclink/documentacio/upclink-macos-client>

- After you successfully connect to the oracle database, you need to deploy the database from the learnSQL.sql script provided in the package. This script will create new tables and insert testing data. After you load the script file (File->Open File...), the DBeaver window should look as in figure below.
- For the loaded SQL script file, you should select the previously created connection as shown below.
- Next, you should run loaded script (  ), using the previously created database connection.



- After you run the script, in the connection tree menu, under the category “Tables (Filtered)”, you should see the created tables as shown in the figure below.



- At this moment, your database is ready to be used for this exercise.