

Using JPA Console

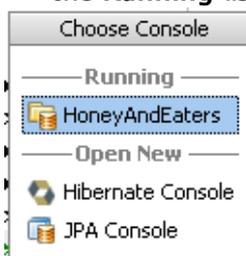
IntelliJ IDEA provides HQL support and enables creating queries in a [JPA Console](#) dedicated tool window. The console is started using the run configuration of the type *Query Language Console*.

You can have several instances of the JPA console running simultaneously. Each console is opened in a separate tab of the tool window. Each tab shows the name of the persistence unit from which the console is launched.

In the JPA console, you can explore the data sources [configured in your workspace](#) and [execute queries](#). The console is aware of the HQL syntax and provides coding assistance.

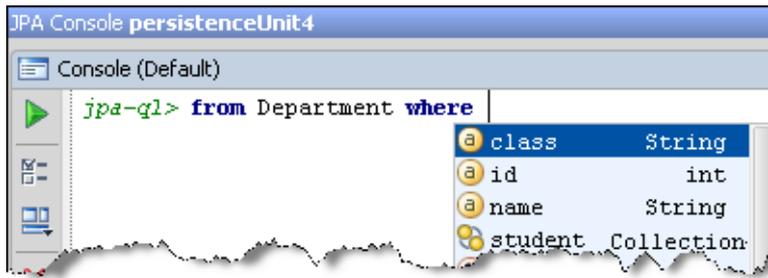
To open the JPA console

1. In the [Persistence tool window](#), expand the Hibernate Facets node, and select the desired session factory.
2. On the context menu, choose **Open Query console** or click .
3. In the **Choose Console** pop-up window, do one of the following:
 - To launch a console, choose **JPA Console** from the **Open New** list.
 - To open an already running JPA console, choose the name of the desired console from the **Running** list.

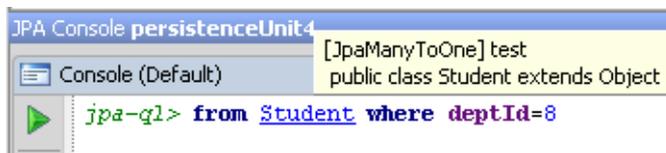


To execute queries from the JPA console, perform the following general steps

- Type the desired commands in the upper section of the console. Note syntax and error highlighting, code completion, intention actions, and quick fixes.



- To start a new line, press Enter.
- Use the **basic** and **advanced** editor shortcuts. In particular, you can *jump to declaration* of a table or its column in the corresponding Java class, if you place the caret at the table or column name, and press **Ctrl+B**, **Ctrl+Button1 Click** or **Button2 Click**. Alternatively, keep the **Ctrl** key pressed, and hover your mouse pointer over the reference to a table or column. So doing, the reference turns to a hyperlink, which allows you to jump to the declaration in the source code:



- To run the commands, click the **▶** button on the toolbar or press **Ctrl+Enter**.
- View the query execution result in the **Result** tab.
- View and analyze information messages and query execution details in the **Output** tab.