

Accessing Data Sources via the Database Console

With IntelliJ IDEA, you can query and modify configured data sources from the dedicated [Database Console](#) tool window using one of the supported languages:

- Derby
- H2
- HSQLDB
- MySQL
- Oracle
- PostgreSQL
- PostgresPLSQL
- SQL Server
- SQL92
- SQLite
- Sybase

You can either enter all the necessary commands in the **Input** pane of the console or prepare a file that contains commands in the desired language. In both cases, IntelliJ IDEA provides code specific completion, syntax and error highlighting, and completion of the data source, table and column names.

IntelliJ IDEA also supports operations with database [binary large objects \(BLOBs\)](#).

The **Input** pane opens as a new editor tab as soon as the **Database** console is invoked.

Retrieved records are shown in the **Result** pane, where you can view, analyze, and update them.

IntelliJ IDEA opens connections to databases when necessary without any steps from your side and displays them below corresponding data source nodes in the **Database** tool window.

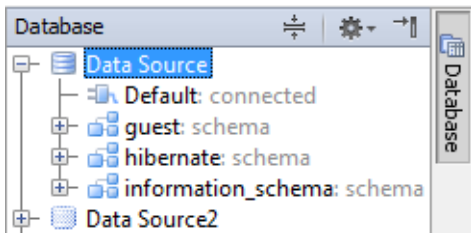
The SQL server should be running. You can create a special command using the external tools configuration facility, as described in the section [Using Third-Party Tools](#).


In this section:

- [Writing and Executing SQL Commands in the Database Console](#)
- [Viewing Query Results](#)

To launch the Database console

1. Open the [Database](#) tool window.
2. Select the desired data source.



3. Right-click the tool window (any node or the background), and choose  **Open Database Console**, or press `Shift+Ctrl+F10`. The **Database** console tool window for accessing the selected data source opens.
 - The **Result** and **Output** panes open as usual, in the bottom area of the screen.
 - The **Input** pane opens as a separate editor tab.