Example "Formula1"

This example demonstrates querying a database and merging data imported from a database with a text file. Source data is the winning Formula 1 teams and drivers every season starting from 1950.

The example works as follows:

- Load a list of Formula 1 drivers from a CSV file
- Use **Split column into rows** transformation to split comma-separated lists of seasons for drivers who won more than 1 season
- Import a list of Formula 1 teams from a SQLite database (comes with the example) using a parametrized query with a calculated expression (using a SQLite function)
- Merge both lists
- Calculate two aggregates

The project doesn't export data, but you can add an export transformation, if needed.

How to use the example

- Open **Formula1.morph** and run it (press F5, or click Run Project button on Main ribbon bar)
- You will be prompted to enter *Start year* – enter a value between 1950 and 2015. This parameter defines a year starting from which the historical data will be loaded
- Here is what you should see when the project finishes reloading:

Query Editor

If you click **Import from database** transformation (first in table Teams), you will see its properties and the Query Editor.
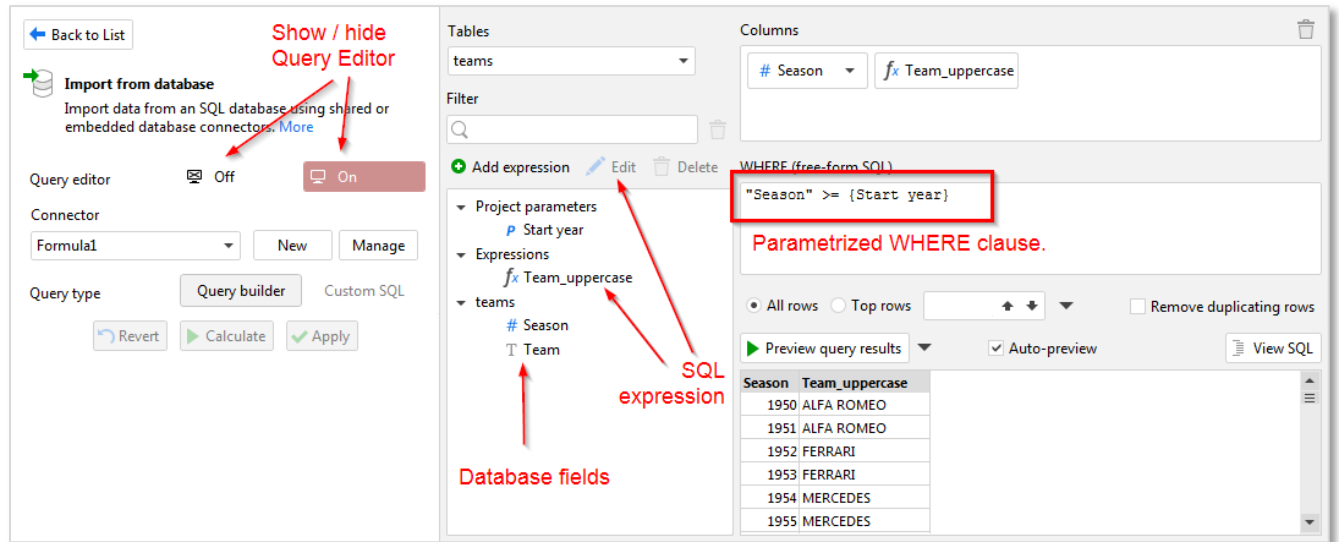
A few notes:

- To leave the Query Editor click *Query editor: Off,* or *Back to List* button, or hit ESC.
- Database connector properties can be viewed and edited in Connector Manager. Click *Manage* to open it.
- Fields names, expressions and parameters are draggable.
- WHERE clause has free-form SQL syntax which supports EasyMorph parameters in curly braces.
- SQL expressions can be used in a case when there is no similar function in EasyMorph. To create or edit SQL expressions press *Add expression* or *Edit* respectively.