

Example “Character count”

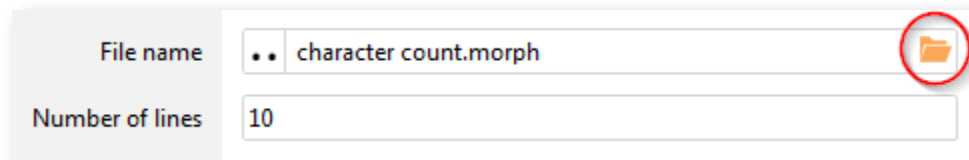
A minimalist project that demonstrates use of parameters in EasyMorph:

- Transformation properties (e.g. file names) as parameters
- Calculated parameters
- Parameters in expressions

The project loads a text file (selected by user) and then counts the number of characters in its first N lines, where N is also specified by the user. You can re-run the project multiple times specifying different text files (e.g. .TXT, .CSV or XML) and different number of lines.

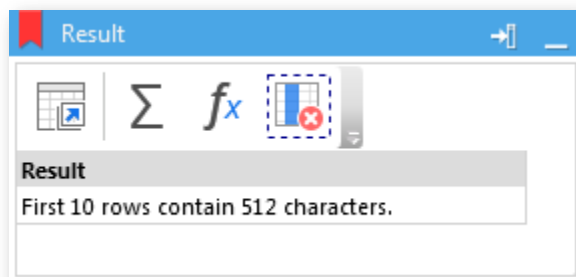
How to use this example

- Open the project and run it (press F5, or click **Run Project** button on Main ribbon bar)
- You will be prompted to enter a file name and a number of rows. Click the file browser button and pick a text file. Click **Apply and Run** button to run the project with selected parameters.

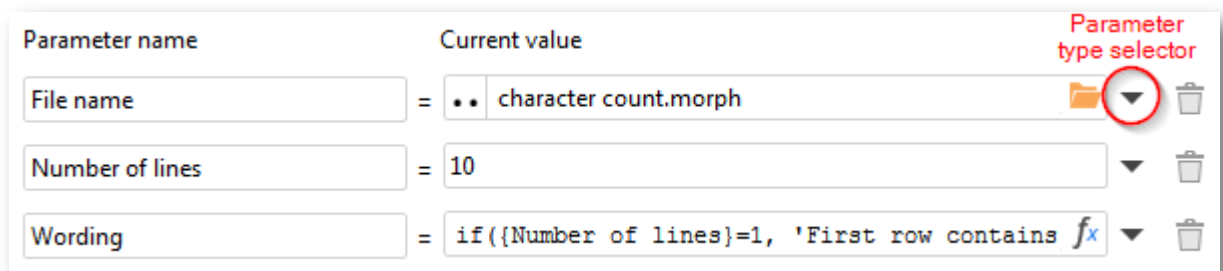


A dialog box with two input fields. The first field is labeled "File name" and contains the text "character count.morph". To the right of this field is a folder icon button, which is circled in red. The second field is labeled "Number of lines" and contains the number "10".

- The result will be displayed in Result table:



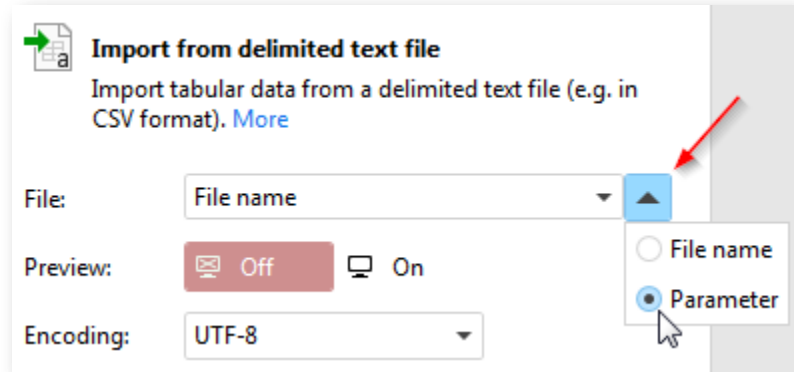
- To re-run the project for another text file (or with different number of lines to count) press **Reload & Run** on Main toolbar (or Ctrl + F5).
- Press F6 (or **Project Parameters** button on Project toolbar) to open Parameter Editor and see how the parameters are defined there. Notice that every non-calculated parameter has a default value. Expressions for calculated parameters can use non-calculated parameters.



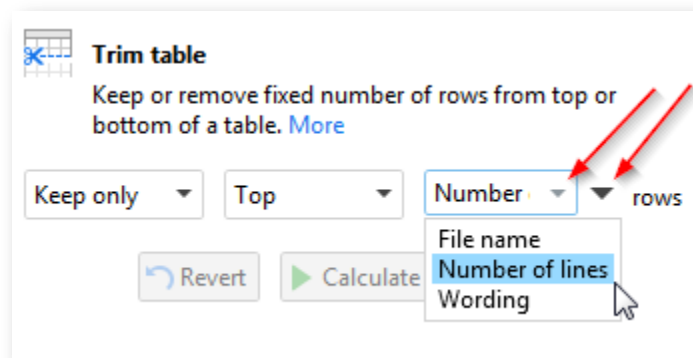
A window titled "Parameter Editor" with a light gray background. It contains three rows of parameters. Each row has a "Parameter name" column, an equals sign, a "Current value" column, and a "Parameter type selector" column. The first row is for "File name" with the value "character count.morph". The second row is for "Number of lines" with the value "10". The third row is for "Wording" with the value "if({Number of lines}=1, 'First row contains". The "Parameter type selector" column contains a dropdown arrow and a trash icon for each row. The dropdown arrow for the first row is circled in red.

Parameter name	Current value	Parameter type selector
File name	= character count.morph	Folder icon (circled in red)
Number of lines	= 10	Dropdown arrow
Wording	= if({Number of lines}=1, 'First row contains	Dropdown arrow

- Go to **Import from delimited file** transformation (table *Source file*) and see how the file name in it is defined using {File name} parameter:



- Similarly, see how {Number of lines} parameter is used in **Trim Table** transformation:



- Finally, check out how parameters {Number of lines} and {Wording} are used in expression (table Result, step #3).