

# Example “Character count”

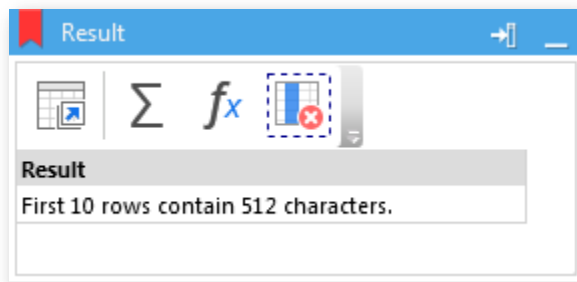
A small project that demonstrates the use of parameters in EasyMorph:

- Action properties (e.g. file names) specified using parameters
- Parameters in expressions
- Calculated parameters

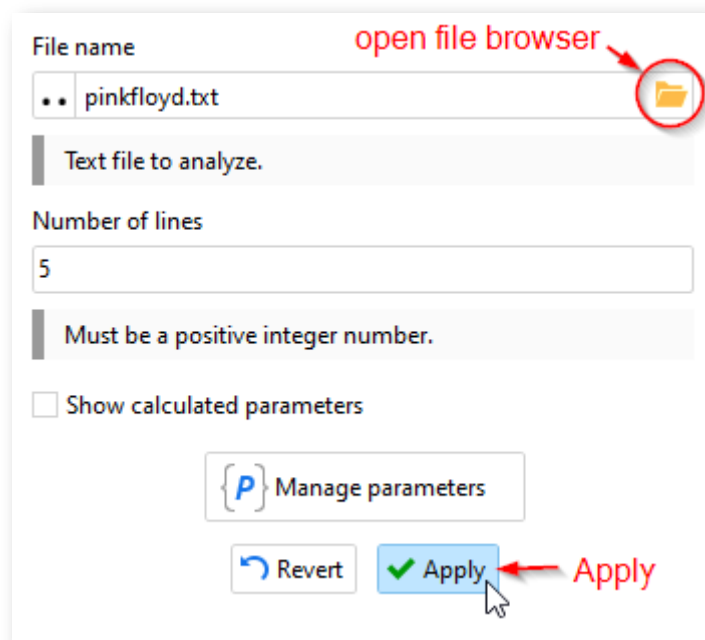
The project loads a text file and then counts the number of characters in its first N lines, where N is also specified by the user. You can change parameter values and EasyMorph will automatically re-run the workflow with the new parameter values.

## How to use this example

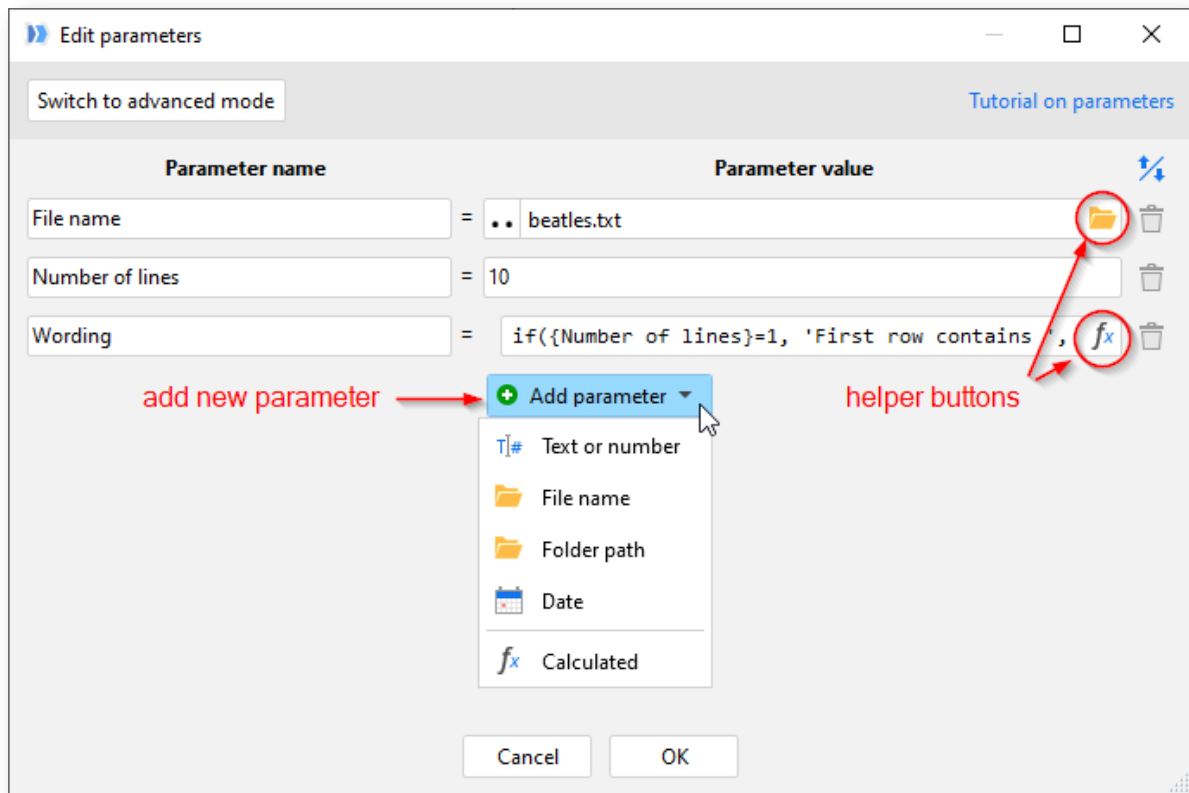
- Open the project (it will run automatically)
- The result will be displayed in the "Result" table:



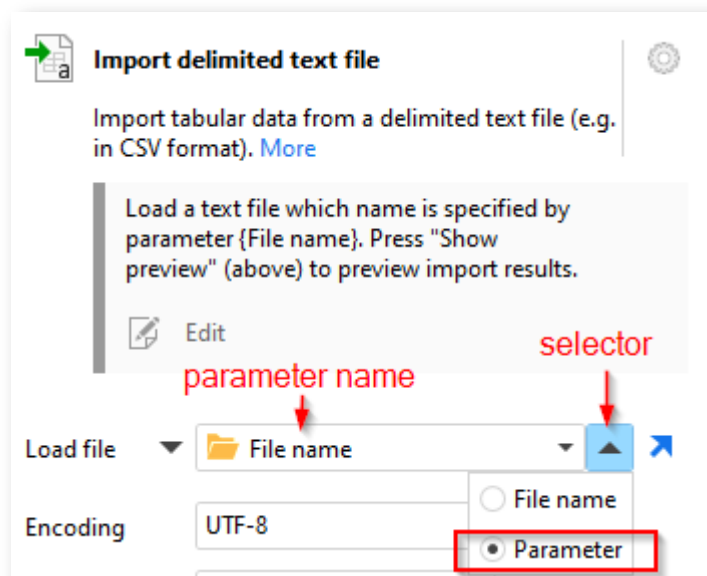
- In the sidebar, change a parameter value. For instance, pick "pinkfloyd.txt" instead of "beatles.txt", or change N from 10 to 5. Don't forget to press "Apply" after the change. Notice how data in tables is immediately updated after applying changes.



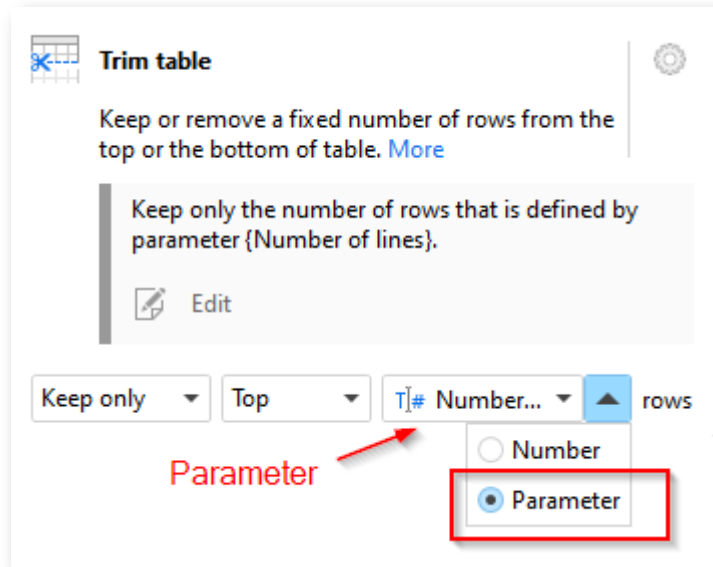
- Press F6 (or the "Project parameters" button on Main toolbar) to open the Parameter Editor and see how the parameters are defined there. Notice that every non-calculated parameter has a default value.



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



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



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