**Surround Examples 2**

This example takes a csv file as input, whose path is specified in the argument -f0 and extracts the word count of a client's complaint (column 'Consumer complaint narrative'). If specified in the config file (argument -c), the company's name (column 'Company') is extracted as well. The word count and (optionally) the company's name are saved in a file created in the folder specified in the -o (output folder) argument.

* The command line arguments are parsed and validated in the FileSystemRunner constructor (i.e., the \_\_init\_\_()method). The settings specified in the config file are assigned to the surround object.
* The transform() method of the same class pre-processes the input data. In this case, the method is implemented in the CustomFileSystemRunner class to read each row of the csv file, create an instance of BasicData, call thesurround.process() method and save the output of all processed rows in output.txt.
* BasicData inherits from SurroundData and consists of three fields: **row\_dict** (the row as read from the csv file),**word\_count** and **company**.
* The surround.process() method calls the operate() method of the stage ProcessCSV, where the word\_count and company values are extracted from the row\_dict field, and set on their corresponding fields in the BasicData object.