

The StocksCalculate application has 2 working modes.

- **Standar** : the input data is read from a CSV file
- **Random** : the input data is generated by random methods, written to a input csv file and read from this one

The working is based on properties and csv files.

- input.csv : the csv file where the input data is read form in the standar working mode. The fields are delimited by a semicolon in this order

stockSymbol;type;tickerPrice;quantity;lastDividend;fixedDividend;parValue;tickerMeanPrice;operation

- inputRandom.csv : the csv file where the input data is read form in the random working mode. It's not needed to be created before running because it's created when it's not found.
- log.log : the log file where some application messages are written. When it cannot be created or there is a written problem the logs are shown through execution console.
- logRandom.log : log file for random mode.

The last 2 files can be the same because logs are appending.

- output.csv : csv output file where the operation results are written for standar mode
- outputRandom.csv : csv output file where the operation results are written for random mode
- stockProperties.properties : properties file for standar mode
- stockPropertiesRandom.properties : properties file for random mode

The properties defined in the properties files are the next ones:

- inputFile : the name of the csv file where the data is read form or is saved in the standar or random mode
- outputFile : the file where the results are saved in both modes
- logFile : the log where the messages are written
- lastMinutesInterval : the last minutes taken into account in the calcuates
- symbols : only used in random mode. The symbols which tickers are created.
- showLog : TRUE, the logs are shown, FALSE, they are not
- showExtendedInfo : TRUE, the logs shown contain information as class, function or line where the message have been written for debugging purpose

To perform the execution in an easier way there is a ExecutableVersion where there are 2 scripts with this content

REM standar Mode

```
set propsFile="C:\jpMorgan_Jordi_Lopez\input&output_Files\stockProperties.properties"
java -jar ".\ExecutableVersion\StocksCalculate.jar" "standar" %propsFile%
```

REM Random mode

```
set propsFile="C:\jpMorgan_Jordi_Lopez\input&output_Files\stockPropertiesRandom.properties"
java -jar ".\ExecutableVersion\StocksCalculate.jar" "random" %propsFile%
```