# About

This is a console Java application that is able to read .csv file with records about connection delays in milliseconds. The application implements the required window slides and medians determination, as well as creation of an output file that contains those median records. Application listens to commands from users. Commands are either letter or digit based. Input commands are register insensitive: it accepts both capital and lower-case letters.

The application is maven based and can be run either from IDE or system console. By default, it is prepared for console run.

Default size of a window slide is 3, but the application allows user to change size.

Application reads files from input\_files folder and saves generated median files to output\_files folder. Application accepts only .csv files.

Application is able to read and generate files instantly! However, if you would like to view windows with size of, let’s say, 100 of a file with 1M records, be ready while console prints all those 1M rows for you ☺

For additional functionality request, please contact the developer – [Alisher Aliev](https://www.linkedin.com/in/alisheraliev/)

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# Running the application from IDE

1. Open IDE,
2. Import maven project,
3. Uncomment lines 39-41, and comment lines 45-47 in Applications.java!
4. In WorkFile.java comment lines 32 and 48, uncomment lines 29 and 45!
5. Run Application.java

Input directory will be at: assignment-test/src/main/resources/input\_files

Output directory will be at: assignment-test/src/main/resources/output\_files

# Running the application from console

By default, the application is already prepared for console run!

Using console, navigate to target folder of the project’s folder, e.g. (for windows):

cd assignment-test/target

Execute the .jar file there:

java -jar assignment-test-made-by-Alisher-Aliev-1.jar

But if you want, you can clean and recompile everything! You must have Maven installed.

1. Uncomment lines 45-47, and comment lines 39-41 in Applications.java!
2. In WorkFile.java comment lines 29 and 45, uncomment lines 32 and 48!
3. Open project folder (assignment-test) from console
4. execute the following maven commands:

mvn clean

mvn compile package

1. After that, navigate to generated target folder and execute this command:

java -jar assignment-test-made-by-Alisher-Aliev-1.jar

Input directory is at: assignment-test/target/classes/input\_files

Output directory is at: assignment-test/target/classes/output\_files

# Additional comments

In my program, there are 2 classes only. The main Application class and Object class of WorkFile. The WorkFile is responsible for extracting the data from .csv files, logical operations and creation of output .csv files with median records. While Application class is responsible for running and providing interface for the end user.

I did not include junit tests, even though the dependency is specified in the project. The reason was that most of the argument/return type methods were private, while public were voids. Besides, project is basically too small.