



## Recruitment task

Advanced Calculator

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## TASK DESCRIPTION

Create a calculator.

## BUSINESS REQUIREMENTS

Besides standard functionality the Calculator should allow:

- ▶ Calculate the  $n$ th element of Fibonacci sequence,
- ▶ Calculate a median of the set of numbers,
- ▶ Save the operation history to the hard drive and reproduce any operation\*

\*A history is a set of the operations made from the start of the Calculator to the closure of the application. Each execution of the application appends the operations to the history.

## TECHNICAL REQUIREMENTS

Any programming language can be used, any tools. The only limitation is **time (3 days)**.

Program should be of the highest possible quality and exhibit closed functionality, meaning that all implemented element should work in their entirety.

Program should demonstrate reasonable usage of language features in terms of abstraction, interfaces, inheritance, good structure of classes and show good programming practices.

We pay attention to code quality and the project. It will be nice to see some draft of a project.

Code of the program should be written in the English language.

The source code along with the executive version must be provided.