Exercise – Calculator

**Requirements:**

* Implement calculator with operations +, -, / , \* that takes as arguments two values.
* All operations should be store in the server side.
* All calculations and result building is a part of business logic it should be implemented in the server side.
* Client side should contain only presentation logic.
* Client side should be implemented in web, using AJAX.
* Server side need to contain Rest API for propose of executing the BL from client side.

**Key highlights in the solution:**

1. Using of OOP concepts.
2. Using of OOD concepts like SOLID.
3. Implement application that will be closed for changes and open to extensions.

Options for extensions, like:

1. Change color by result type: even—green, odd—red. It’s Part of Business Logic.
2. Add additional operation
3. Add additional arguments
4. Many applications can work with same Rest API

Operator

Drop Down

Calculate

Result

B

=

A