Calculator Challenge - JobTestPrep

Requirements:

- Implement calculator with operations +, -, /, *
- All operations and results types should be exposed from Rest API.
- Many applications can work with the same Rest API

    Client:

    - Client-side should contain only presentation logic (and not buissness logic).
    - The Client-side should be implemented on the web, using AJAX/ Rest API.

    Server:

    - All calculations and result building is a part of the business logic, it should be implemented on the server-side.
    - Implement the exercise by adhering to object oriented programming/ object oriented design concepts.

- You can implement this task in every programming language and framework you like.

Standards: The points below should guide you in your Server's implementation, but you are not required to implement it

1. Implement an application that will be closed for changes and open to extensions.
2. Options for extensions, like (Do not implement):
    - Add additional operations, example: power - x^yxy
    - Add additional arguments, example: a+b-c/d+x*d$a+b-c/d+x*d$
    - Return different types of results
        - Result with the number only `{result:5}`
        - Result with number and colour, for example: `{result:5,color:"red"}` Different clients can request different types of results. The colour field is calculated by the value of the result(Number):
        1. The resulting number is even colour=green,
        2. The resulting number is odd colour=red.
    - …
3. **Bonus** - Implement an Algorithm that will order all the operators and operands