Closure

Write a calculator which can perform the following operations:

1. Add;
2. Subtract;
3. Divide;
4. Multiply.

Calculator must store the current state – the result of previous operations. The initial value is 0.

Calculator must have a method to get a current state:

console.log(Calculator.getResult()) // 0

All the operations manage the current result:

Calculator.add(4)

Calculator.substract(1)

console.log(Calculator.getResult()) // 3

Calculator must have a method to reset the current state:

console.log(Calculator.reset()) // 0

User must have a possibility to use the following technique:

Calculator.add(4).reset().add(1).getResult() // 1

Add a method for calculator which emulates request to a server and sets the state of Calculator (f.e .this.result = 5) when we get a response. Add callback function and call it after it..

function getInitialState(callback) {

// Setting timeout to emulate a request to a server

setTimeout(function () {

// Set calculator state here

callback();

}, 500);

}