Calculator V2

Friday, March 11, 2022   3:51 PM

```
2
3    //basic operator set
4
5    function plus(a,b) {return a+b; }
6
7    var minus=function(a,b){return a-b;}
8
9    var multiply=function(a, b) {return a*b;}
10
11   var divide=function(a,b) {return a/b; }
12
13
14
15   function calculator(number1, number2, operatorFunction){
16
17       var result=NaN;
18
19       if(operatorFunction)
20           result=operatorFunction(number1,number2);
21       else
22           return console.log('No operator supplied');
23
24       console.log(number1,operatorFunction.name,number2,'=', result);
25   }
26
27
28   calculator(12, 13, plus);
29
30   calculator(15, 4, multiply);
31
```

operatorFunction

- Is a function that user is passing as an argument to calculator.
- Calculator doesn't know which function user will pass
- This is a callback funciton

Calculator has following jobs

1. Get user input

2. Perform user requested operation (callback)

3. Print the result

What is the advantage of this approach?

- Now we can add new operators without changing the calculator
  - We just have to define a new operation