

Calculator V1

Friday, March 11, 2022 3:46 PM

```
function calculator(number1, number2, operator){
  var result =NaN;

  if(operator==='+')
  |   result=number1+number2;
  else if(operator==='-')
  |   result=number1-number2;
  else if(operator==='*')
  |   result=number1*number2;
  else if(operator==='/')
  |   result=number1/number2;

  if(isNaN(result))
  |   console.error('invalid operator:'+operator);
  else
  |   console.log(number1,operator,number2,'=', result);
}
```

- This code can calculate and return the result of common operations that can be performed over two numbers.
- It supports operations
 - +
 - -
 - *
 - /
- It can also return response in case user supplied another operation

Limitation

- This code can support only 4 operations.
- The code is not extensible
- If we need another operation say (%, ^) we need to modify the main logic calculator
 - Although calculator logic is simple
 1. Take input
 2. Perform operation
 3. Print result
- When we need more operation step #1 and step #3 remains unchanged.
 - Only step #2 changes

Is calculator and addition one and same idea?

- NO
- 'addition' is one of the many calculations calculator can do.
- It can also do things beyond calculation
 - Taking input
 - Presenting the output

Solution — Separate Calculator and Operator