EXAMPLE 34: STRINGS AND NUMBERS

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BECAUSE JAVASCRIPT IS NOT STRONGLY TYPED, ITS PERFECTLY COMMON TO COMPARE, ADD, SUBTRACT, DIVIDE STRINGS AND NUMBERS

ITS PERFECTLY COMMON TO
COMPARE STRINGS AND NUMBERS

JAVASCRIPT WILL TRY AND CONVERT THE STRING TO A NUMBER AND DO THE COMPARISON IF IT CAN.

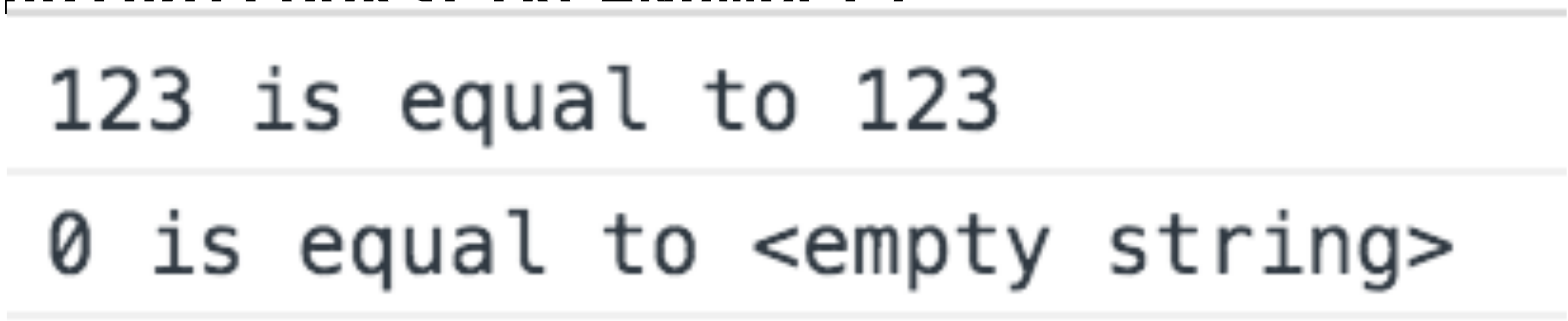
COMPARE

ITS PERFECTLY COMMON TO STRINGS AND NUMBERS

JAVASCRIPT WILL TRY AND CONVERT THE STRING TO A NUMBER AND DO THE COMPARISON IF IT CAN.

```
var someNumber = 123;
var someStringThatLooksLikeANumber = "123";

if(someNumber == someStringThatLooksLikeANumber) {
  console.log(someNumber + " is equal to " +
someStringThatLooksLikeANumber);
}
```



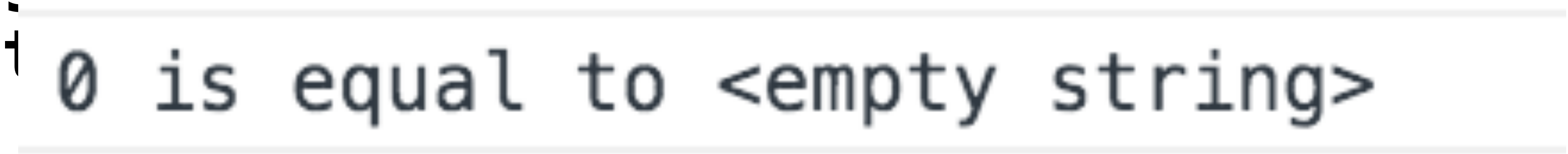
```
123 is equal to 123
0 is equal to <empty string>
```

ITS PERFECTLY COMMON TO
COMPARE STRINGS AND NUMBERS

BTW, THE EMPTY STRING GETS CONVERTED TO ZERO

```
var someOtherNumber = 0;
var emptyString = "";

if(someOtherNumber == emptyString) {
  console.log(someOtherNumber + " is equal to <empty
string>" + empt
}
```



```
0 is equal to <empty string>
```

EXAMPLE 34: STRINGS AND NUMBERS

BECAUSE JAVASCRIPT IS NOT STRONGLY TYPED, ITS PERFECTLY COMMON TO COMPARE, ADD, SUBTRACT, DIVIDE STRINGS AND NUMBERS

ITS PERFECTLY COMMON TO ADD STRINGS AND NUMBERS

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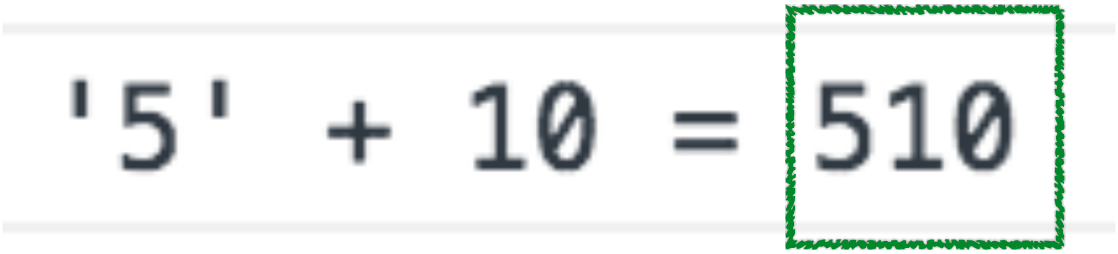
JAVASCRIPT WILL TRY AND CONVERT THE NUMBER TO A STRING AND CONCATENATE INTO A STRING

```
console.log("'5' + 10 = " + ('5' +
10));
```



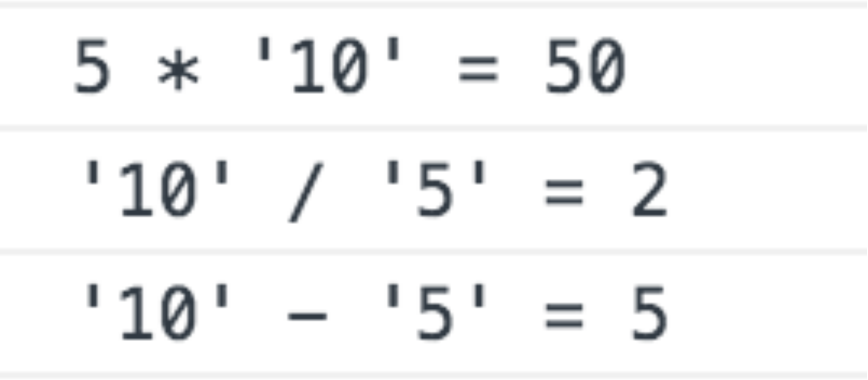
```
'5' + 10 = 510
```

EXAMPLE 34: STRINGS AND NUMBERS

BECAUSE JAVASCRIPT IS NOT STRONGLY TYPED, ITS PERFECTLY COMMON TO COMPARE, ADD, SUBTRACT, DIVIDE STRINGS AND NUMBERS

ITS PERFECTLY COMMON TO SUBTRACT, DIVIDE STRINGS AND NUMBERS

```
    console.log("5 * '10' = "  + (5*'10'))
    console.log("'10' / '5' = "  + ('10'/'
    console.log("'10' - '5' = "  + ('10' -
'5'));
```



```
5 * '10' = 50
'10' / '5' = 2
'10' - '5' = 5
```

COMMON SENSE TELLS US THERE IS ONLY ONE WAY TO TRY AND EVALUATE THIS! CONVERT THE STRINGS TO NUMBERS :-)

ITS PERFECTLY COMMON TO SUBTRACT, DIVIDE STRINGS AND NUMBERS

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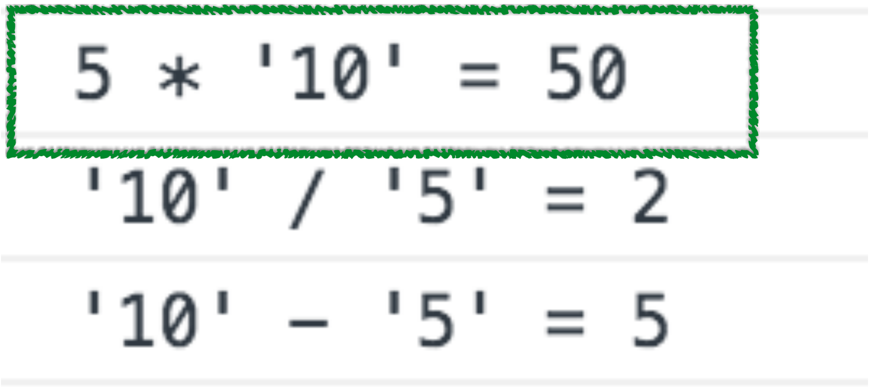

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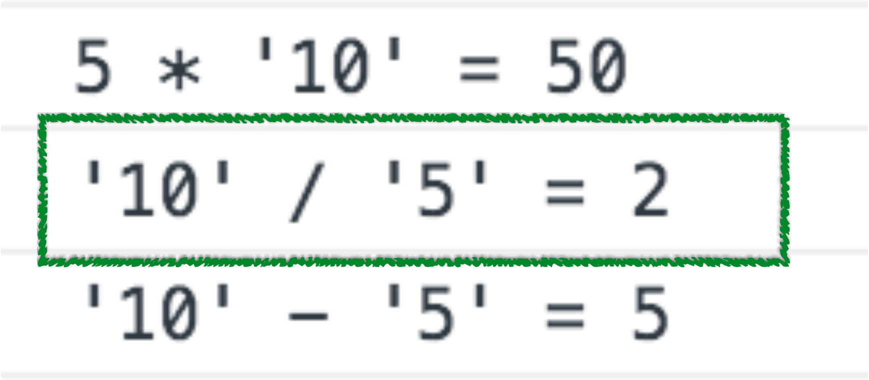

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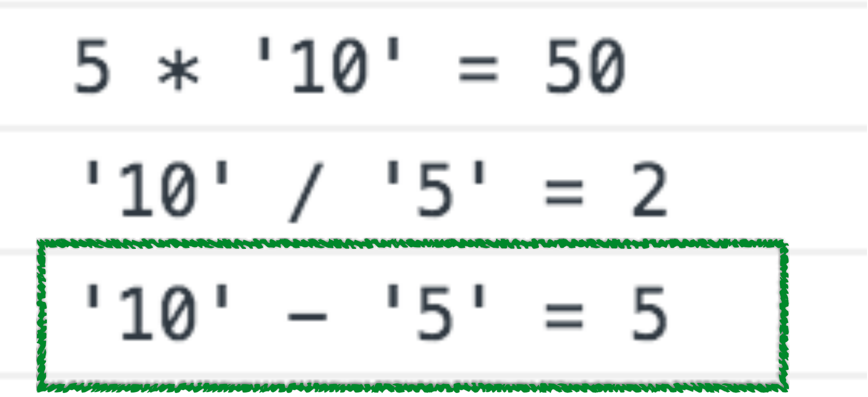
  '5'));
```



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'10' / '5' = 2
'10' - '5' = 5
```

COMMON SENSE TELLS US THERE IS ONLY ONE WAY TO TRY AND EVALUATE THIS! CONVERT THE STRINGS TO NUMBERS :-)

SUBTRACT, DIVIDE STRINGS AND NUMBERS

```
console.log(
console.log(
console.log(
```

THIS IS WHY `NaN` IS COMMON - ANY STRING TO NUMBER CONVERSION THAT FAILS WILL RETURN A `NaN`

'10' / '5' = 2

'10' - '5' = 5

COMMON SENSE TELLS US THERE IS ONLY ONE WAY TO TRY AND EVALUATE THIS! CONVERT THE STRINGS TO NUMBERS :-)

JAVASCRIPT QUIRKS

ARE ANNOYING WHEN YOU FIRST ENCOUNTER THEM, BUT OVER TIME THEY BECOME AMUSING, EVEN

✓STRANGE SPECIAL VALUES

STRINGS AND NUMBERS

STRANGE COMPARISON OPERATORS

TRUTHY AND FALSEY

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