

.reduce()

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Runs a calculation on every element of an array and passes the result of previous iterations. Returns the result once all elements have been processed

the result of
previous iterations

the current
element in the
array



```
const nums = [10, 8, 2, 5]
```

```
const sum = nums.reduce((runningTotal, value) => {  
  return runningTotal + value  
}, 0);
```

```
console.log(sum) // 25
```

the result after
all elements have
been processed

initial runningTotal
(before any iterations)