

Spread

Light Spreading



Spread : [...]

Spread Operator

The JavaScript spread operator (`...`) allows us to quickly copy all or part of an existing array or object into another array or object.

IN ARRAYS

```
array1 = [1, 2, 3];  
array2 = [10, 11, 12];  
array3 = [...array1, ...array2, 4, 5, 6];  
console.log(array3);
```

```
[Running] node "g:\WEB JAVASCRIPT PRACTICE\19.spread.js"  
[  
  1, 2, 3, 10, 11,  
  12, 4, 5, 6  
]  
  
[Done] exited with code=0 in 0.162 seconds
```

19.spread.js

```
array1 = [1, 2, 3];  
array2 = [10, 11, 12];  
array3 = [...array1, ...array2, 4, 5, 6];  
array4 = [...array3, 100, 200, 300];  
console.log(array4);
```

```
[Running] node "g:\WEB JAVASCRIPT PRACTICE\19.spread.js"  
[  
  1,   2, 3, 10, 11,  
  12,  4, 5,  6, 100,  
  200, 300  
]
```

IN OBJECTS

```
object1 = {  
  a: 1,  
  b: 2,  
  c: 3,  
};  
object2 = {  
  ...object1,  
  d: 4,  
  e: 5,  
  f: 6,  
};  
console.log(object2);
```

```
[Running] node "g:\WEB JAVASCRIPT PRACTICE\19.spread.js"  
{ a: 1, b: 2, c: 3, d: 4, e: 5, f: 6 }
```

```
object1 = {  
  a: 1,  
  b: 2,  
  c: 3,  
};  
object2 = {  
  ...object1,  
  d: 4,  
  e: 5,  
  f: 6,  
};  
object3 = {  
  ...object2,  
  g: 7,  
  h: 8,  
};  
console.log(object3);
```

```
[Running] node "g:\WEB JAVASCRIPT PRACTICE\19.spread.js"  
{ a: 1, b: 2, c: 3, d: 4, e: 5, f: 6, g: 7, h: 8 }
```

IN FUNCTIONS

```
function sum(a, b, c, d) {  
  return a + b + c + d;  
}  
  
let numbers = [1, 2, 3, 4];  
  
console.log(sum(...numbers));
```

```
[Running] node "g:\WEB JAVASCRIPT PRACTICE\19.spread.js"  
10
```

