

Spaces Apart

Published by [Mubashir Hassan](#) in [JavaScript](#) ▼

arrays

conditions

Create a function that takes an `arr` and returns the total amount of space between the two "1"s.

Examples

```
spaceApart([1, 0, 1, "1", 4, 3, 2, 3, 2, "1"]) → 14
```

```
spaceApart(["1", 9, 20, 38, "1"]) → 67
```

```
spaceApart([3, 2, 9, "1", 0, 0, -1, "1"]) → "invalid"
```

Code

```
JS spaceApart.js > ...
1  const spaceApart = (arr) => {
2      let ones = arr.filter(el => el === '1').length;
3      let neg = arr.filter(el => el < 0).length;
4
5      if(ones !== 2 || neg > 0) return 'invalid';
6
7      let first = arr.findIndex(el => el === '1') + 1;
8      let last = arr.lastIndexOf('1');
9      let sum = arr.slice(first, last)
10         .filter(el => typeof el === 'number')
11         .reduce((acc, cv) => acc + cv, 0);
12
13     return sum;
14 }
15 console.log(spaceApart([1, 0, 1, "1", 4, 3, 2, 3, 2, "1"]))
16 console.log(spaceApart(["1", 9, 20, 38, "1"]))
17 console.log(spaceApart([3, 2, 9, "1", 0, 0, -1, "1"]))
```

Run

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\js\edabit\e> node spaceApart.js
14
67
invalid
PS C:\js\edabit\e> █
```