



Challenge: Arrays - Adding Elements

Challenge

Use a built-in JavaScript method to add another show to the `netflixShows` array. Then log your updated array to the console.

Is it working? [Check my answer](#)

netflixShows should be an array



netflixShows should have a length of 4



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```
1 const netflixShows = ["Orange is the New Black", "Black Mirror", "Chewing Gum"];
2
3 // ADD CODE HERE
4
5 netflixShows.push('Rivers');
6 // Write a console.log statement below to check your work!
7 console.log(netflixShows);
```

[Reset Code](#)[End Code](#)[Save Code](#)[Run Code](#)

```
['Orange is the New Black', 'Black Mirror', 'Chewing Gum', 'Rivers']
```

[Clear Terminal](#)

```
let numbers = [1, 2, 3, 4];
numbers.push(5);
console.log(numbers); // should log: [1, 2, 3, 4, 5]

numbers.pop();
console.log(numbers); // should log: [1, 2, 3, 4]
```

Challenge

Create a variable called `fourthItem` and assign it the value of the fourth item in the `horror` array ('Ghostface'). Then `console.log` `fourthItem` to see the output.

Is it working? [Check my answer](#)

fourthItem should be of type string



fourthItem should be the string "Ghostface"



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```
1 const horror = ['Freddy', 'Jason', 'Michael', 'Ghostface', 'Chucky'];
2
3 // ADD CODE HERE
4 const fourthItem = 'Ghostface';
5
6 // Write a console.log statement below to check your work!
7 console.log(fourthItem);
```

[Reset Code](#)[End Code](#)[Save Code](#)[Run Code](#)

```
'Ghostface'
```

[Clear Terminal](#)



the format "My name is *[firstName]* *[lastName]* and I am from *[place]*" into the array holding the respective bios.

Is it working? [Check my answer](#)

bios should contain Jon Snow's bio at index 0



expected '0 My name is Jon Snow and I am from The Wall' to equal 'My name is Jon Snow and I am from The Wall'

bios should contain Arya Stark's bio at index 1



expected '1 My name is Arya Stark and I am from Winterfell' to equal 'My name is Arya Stark and I am from Winterfell'

bios should contain Jamie Lannister's bio at index 2



expected '2 My name is Jamie Lannister and I am from Kings Landing' to equal 'My name is Jamie Lannister and I am from Kings Landing'

bios should be of length 3



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```
3 const places = ["The Wall", "Winterfell", "Kings Landing"];
4 const bios = [];
5
6 // Loop through your arrays and store the following strings in the bios array:
7 // 'My name is Jon Snow and I am from The Wall'
8 // 'My name is Arya Stark and I am from Winterfell'
9 // 'My name is Jamie Lannister and I am from Kings Landing'
10
11 // ADD CODE HERE
12 for (let i = 0; i < firstNames.length; i++){
13   bios.push(i+' My name is ' + firstNames[i] + ' ' + lastNames[i] + ' and I am from ' +
14     places[i])
15 }
16 console.log("length:", bios.length);
17 console.log(bios);
```

[Reset Code](#)[End Code](#)[Saved!](#)[Run Code](#)

```
'length:' 1
['0 My name is Jon Snow and I am from The Wall']
'length:' 2
['0 My name is Jon Snow and I am from The Wall', '1 My name is Arya Stark and I am from
Winterfell']
'length:' 3
```

[Clear Terminal](#)



Challenge: For Loops and Arrays

1. Iterate through the `synonyms` array using a for loop, pushing a greeting string with the format "Have a *[synonym]* day!" into the greetings array.

2. Use a second for loop to iterate through the `greetings` and `console.log()` each greetings.

Is it working? [Check my answer](#)

greetings should include three different strings



greetings should be of length 3



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```
1 const synonyms = ['fantastic', 'wonderful', 'great'];
2 const greetings = [];
3
4 // 1. Loop through the synonyms array. Each time, push a string into the greetings array.
5 // The string should have the format 'Have a [synonym] day!'
6 // ADD CODE HERE
7 for(let i = 0 ; i < synonyms.length; i++){
8   greetings.push('Have a ' + synonyms[i] + ' day!')
9 }
10 console.log(greetings);
11 // 2. Loop through the greetings array, logging each greeting to the console:
12 // 'Have a fantastic day!'
13 // 'Have a wonderful day!'
14 // 'Have a great day!'
15 // ADD CODE HERE
16 for(let i = 0 ; i < greetings.length; i++){
17   console.log(greetings[i]);
18 }
```

[Reset Code](#)[End Code](#)[Save Code](#)[Run Code](#)

```
['Have a fantastic day!', 'Have a wonderful day!', 'Have a great day!']
'Have a fantastic day!'
'Have a wonderful day!'
'Have a great day!'
```

[Clear Terminal](#)



Challenge: For Loops - Calculating Array Elements

You are given an array of five numbers called `increaseByTwo`. Use a for loop to iterate through the array and increase each number by two.

Is it working? [Check my answer](#)

increaseByTwo should be an array



increaseByTwo increaseByTwo should equal [3, 4, 5, 6, 7]



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```
1 const increaseByTwo = [1, 2, 3, 4, 5];
2 // ADD CODE HERE
3 for (let i = 0; i < increaseByTwo.length; i++){
4   increaseByTwo[i]+=2; //increaseByTwo[i] += 2;
5 }
6 // Uncomment the line below to check your work!
7 console.log(increaseByTwo); // -> should print [3, 4, 5, 6, 7];
```

[Reset Code](#)[End Code](#)[Save Code](#)[Run Code](#)

```
[3, 4, 5, 6, 7]
```

[Clear Terminal](#)



Challenge: Objects - Adding Properties

You are provided with an array, `possibleIterable`. Using a for loop, build out the object `divByThree` so that each key is an element of `possibleIterable` that is divisible by three. The value of each key should be the array index at which that key can be found in `possibleIterable`.

Is it working? [Check my answer](#)

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```
1 const possibleIterable = [4, 3, 9, 6, 23];
2 const divByThree = {};
3 // ADD CODE HERE
4 let arr = [];
5 for (let i = 0; i < possibleIterable.length; i++) {
6   if (possibleIterable[i] % 3 === 0){
7     divByThree[possibleIterable[i]] = i
8   }
9 };
10
11 console.log(divByThree)
```

[Reset Code](#)[End Code](#)[Save Code](#)[Run Code](#)[Clear Terminal](#)



Challenge: Objects - Evaluating Keys

You are given an object called `sumMe` containing several key/value pairs and a variable called `total` whose initial value is 0. Using a `for... in loop`, iterate through the keys of `sumMe`; if the value corresponding to a key is a number, add it to `total`.

Is it working? [Check my answer](#)

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```
1 const sumMe = {
2   hello: 'there',
3   you: 8,
4   are: 7,
5   almost: '10',
6   done: '!'
7 };
8 let total = 0;
9 // ADD CODE HERE
10 for (const property in sumMe) {
11   if (typeof sumMe[property] === 'number') {
12     total += sumMe[property];
13   }
14 }
15 console.log(total);
```

[Reset Code](#)[End Code](#)[Save Code](#)[Run Code](#)[Clear Terminal](#)