

Array Filter Exercises

27 SEPTEMBER 2017

Use the built-in array method `.filter()` to solve all of these problems

Feel free to copy and paste the function and tests in this assignment.

1) Given an array of numbers, return a new array that has only the numbers that are 5 or greater.

```
function fiveAndGreaterOnly(arr) {  
  // your code here  
}  
// test  
console.log(fiveAndGreaterOnly([3, 6, 8, 2])); /// [6, 8]
```

2) Given an array of numbers, return a new array that only includes the even numbers.

```
function evensOnly(arr) {  
  // your code here  
}  
// test  
console.log(evensOnly([3, 6, 8, 2])); /// [6, 8, 2]
```

3) Given an array of strings, return a new array that only includes those that are 5 characters or fewer in length

```
function fiveCharactersOrFewerOnly(arr) {  
  // your code here  
}  
// test  
console.log(fiveCharactersOrFewerOnly(["dog", "wolf", "by", "family", "eat"]));
```

4) Given an array of people objects, return a new array that has filtered out all those who don't belong to the club.

```
function peopleWhoBelongToTheIlluminati(arr){  
  // your code here  
}  
// test  
console.log(peopleWhoBelongToTheIlluminati([  
  {  
    name: "Angelina Jolie",  
    member: true  
  },  
  {  
    name: "Eric Jones",  
    member: false  
  },  
  {  
    name: "Paris Hilton",  
    member: true  
  },  
  {  
    name: "Kayne West",  
    member: false  
  },  
  {  
    name: "Bob Ziroll",  
    member: true  
  }  
]));
```

5) Filter out all the people who are not old enough to see *The Matrix* (younger than 18)

```
function ofAge(arr){
  // your code here
}
// test
console.log(ofAge([
  {
    name: "Angelina Jolie",
    age: 80
  },
  {
    name: "Eric Jones",
    age: 2
  },
  {
    name: "Paris Hilton",
    age: 5
  },
  {
    name: "Kayne West",
    age: 16
  },
  {
    name: "Bob Ziroll",
    age: 100
  }
]));
```

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