

# Map & Filter Practice

Attempt some practice problems with map & filter. Learn to effectively manipulate large amounts of data.

This section is all practice problems. Feel free to try them. Attempt to use `map` and `filter` where applicable.

## Uppercase

Write a function that will take an array of words and return an array of those same words with the first letter of each word capitalized.

Example:

```
['Hello', 'there!', 'How', 'are', 'you', 'doing?']  
->  
['Hello', 'There!', 'How', 'Are', 'You', 'Doing?']
```

```
function capitalize(words) {  
  // Your code here  
}
```



## EvenOdd

Write a function that will take in an array of integers. It should return an array telling whether each item in the original array is even or odd.

Example:

```
[1, 2, 3, 4, 5]  
->  
['odd', 'even', 'odd', 'even', 'odd']
```

```
function evenOdd(numbers) {  
  // Your code here  
}
```



## IsEven

Write a function that takes in an array of integers and *filters out all numbers that are odd*. It should return an array of the even numbers.

```
function isEven(integers) {  
  // Your code here  
}
```



## Names of Old Relatives

Write a function that takes an array of objects of the following format:

```
{  
  familyMember: 'Uncle',  
  age: 52,  
  location: 'California, USA'  
}
```

Return an array of the `familyMember` properties, including only those family members that are above age 40.

Example:

```
[  
  {  
    familyMember: 'Uncle',  
    age: 52,  
    location: 'San Diego, CA'  
  }, {  
    familyMember: 'Grandpa',  
    age: 84,  
    location: 'San Francisco, CA'  
  }  
]
```

```
    }, {  
      familyMember: 'Sister',  
  
      age: 19,  
      location: 'New York, NY'  
    }  
  ]  
  
  ->  
  
  ['Uncle', 'Grandpa']
```

```
function getOlderFamily(family) {  
  // Your code here  
}
```

