

Object.entries and Object.values

check the entries and values of a Map using ES2017

We already know about `Object.keys`:

```
let account = {  
  first: 'Zsolt',  
  last: 'Nagy',  
  email: 'info@zsoltnagy.eu'  
};  
  
console.log(Object.keys( account ));
```



In ES2017, `Object.values` and `Object.entries` are also available:

```
let account = {  
  first: 'Zsolt',  
  last: 'Nagy',  
  email: 'info@zsoltnagy.eu'  
};  
  
console.log(Object.values( account ));  
console.log();  
console.log(Object.entries( account ));
```



`Object.entries` can also be used for creating maps.

```
let account = {  
  first: 'Zsolt',  
  last: 'Nagy',  
  email: 'info@zsoltnagy.eu'  
};  
  
let accountMap = new Map( Object.entries( account ) );  
console.log(accountMap);
```



Symbol keys are ignored from the keys, values, and entries arrays.

The `entries` method was already defined for arrays in ES6, and it returned an `ArrayIterator`.

```
let iterator = Object.values( account ).entries();
console.log(iterator);
//> ArrayIterator {}

console.log( iterator.next() );
//> { value: [0, "Zsolt"], done: false }

for ( let [val, key] of iterator ) {
  console.log( val, key );
}
//> 1 "Nagy"
//> 2 "info@zsoltnagy.eu"
```

Now, let's learn how to manipulate the properties of Objects in the next lesson.