

# Iterating Maps

the various ways to traverse a Map

We have the same options as in the case of sets. The only exception is that we have to take care of a key and a value.

```
console.log('forEach function:');
horses.forEach( ( value, key ) => { console.log( value, key ) } );
//> Chocolate 8
//> Filippone 3

console.log('\nfor...of loop:');
for ( let [ key, value ] of horses ) {
  console.log( key, value );
}
//> 8 "Chocolate"
//> 3 "Filippone"

console.log('\nspread operators:');
console.log( [...horses] );
//> [[8,"Chocolate"],[3,"Filippone"]]
```



Notice the following behavior:

- The destructuring operation in the `for...of` loop. Iterating a map results in a key-value pair.
- The spread operator creates an enumeration of key-value pairs. These key-value pairs can be used to build an array.
- The order of elements in the `forEach` method is value, key. The order in the `for...of` loop is key, value.

In the next lesson, you'll learn weak sets.

