

indexOf method

```
var fruits = ["apples", "oranges", "pears", "apples"];  
var search = fruits.indexOf("apples");
```

undefined

```
console.log("The search returns: " + search);
```

The search returns: 0

undefined

One more example of the indexOf method

```
> var search = fruits.indexOf("bananas");  
   console.log("The search returns: "+ search);
```

The search returns: -1

⏪ undefined

lastIndexOf method

```
> var search = fruits.lastIndexOf("apples");  
   console.log("The search returns: "+ search);
```

The search returns: 3

⏪ undefined

forEach method

```
var fruits = ["apples", "oranges", "pears", "cherries"];
fruits.forEach(myFunction);
function myFunction(fruit, indexNum) {
    console.log(indexNum + " - " + fruit);
}
```

```
0 - apples VM1096:4
```

```
1 - oranges VM1096:4
```

```
2 - pears VM1096:4
```

```
3 - cherries VM1096:4
```

```
undefined
```

includes method

```
> var search = fruits.includes("mangoes");
    console.log("The search returns: " + search);
```

```
The search returns: false VM1359:2
```

```
< undefined
```

Continue..

```
> var search= fruits.every(myFunction);
    function myFunction(fruit){
    return fruit.length > 3;
    }
    console.log("The search returns: " + search);
```

```
The search returns: true
```

some method

```
var search = fruits.some(myFunction);
function myFunction(fruit){
  return fruit.length > 6;
}
console.log("The search returns: " + search);
```

The search returns: true

undefined

Modify and continue

```
> var fruits = ["apples", "oranges", "pears", "cherries"];
  var search = fruits.some(myFunction);

  function myFunction(fruit) {
    return fruit.length < 3;
  }

  console.log("The search returns: " + search);
```

The search returns: false [VM23](#)

Map method

```
> var fruits = ["apples", "oranges", "pears", "cherries"]
  var candies = fruits.map(myFunction);
  function myFunction(fruit){
    return "candy" + fruit;
  };
  console.log(candies);
```

► (4) ['candyapples', 'candyoranges', 'candypears', 'candycherries'] [VM727:6](#)

Filter method

```
var myFruits = fruits.filter(myFunction);
function myFunction(fruit){
    return fruit.length >6;
}
console.log(myFruits);
```

► (2) ['oranges', 'cherries']

Modify and test

```
var myFruits = fruits.filter(myFunction);
function myFunction(fruit){
    return fruit.includes ("es");
}
console.log(myFruits);
```

► (3) ['apples', 'oranges', 'cherries']

Reduce method

```
var daysales = [305, 432, 376, 290];
var weeklySales= daysales.reduce(myFunction);
function myFunction(accumTotal, curSales){
    return accumTotal+ curSales;
};
console.log(weeklySales);
```

1403

Math.random()

```
var myNumber = Math.random();
```

undefined

```
var myNumber = Math.random();
console.log("The generated number is: " + myNumber)
```

The generated number is: 0.07592525885343049

