Array in JavaScript

Insert data into array

1. push()

Array push() method is used to insert one or more element to the end of array.

1. unshift()

Array unshift() method is used to insert one or more element to the begging of array.

Remove data from array

1. pop()

Array pop() method removes the last element from the end of array.

1. shift()

Array shift() method removes the first element from the begging of array.

Array Methods

1. map()
2. filter()
3. forEach()
4. find()

Array.prototype.find() method is used to retrieve the first element in an array that satisfies a given condition. It returns the value of the first element that matches the condition or “undefined” if no matching element is found.

1. sort()
2. slice()

The slice() method returns a shallow copy of a portion of array into a new array. It doesnt modify the original array.

Array.slice(startIndex,endIndex)

startIndex at which to begin extraction inclusive. If omitted, it starts from 0.

endIndex at which to end extraction exclusive. If omitted, it goes until the end of the array.

1. splice()

Array.prototype.splice() method changes the content of array by removing or replacing existing elements and/or adding new element in place.it modifies the original array and return modified array.

1. find()
2. some()

Array some() method is used to test whether at least one element in the array passes a given condition.

Array.prototype.some() method tests each element of the array against a given condition and returns true if at least one element satisfies the condition. If no element satisfies the condition, it returns false.

Array.some (callback (element, index, array), thisArgs)

callback function test each element of array.

element current element being processed.

Index current element index

array original array

thisArg object to use as this when executing the callback.

function checkThreshold(element) {

  return element > this.value;

}

const numberaboveThreshold = numbers.some(checkThreshold, threshold);

console.log("some thisArgs", numberaboveThreshold);

1. indexOf()
2. findIndex()
3. concat()
4. includes()
5. isArray()
6. reverse()
7. flat()