**1) concat** (used to join two or more strings together)

var name = "Name : ";

var first\_name = "babu";

var last\_name = "vignesh";

var output = name.concat(first\_name, last\_name);

console.log(output)

Output

Name : vignesh

**2) every** (checks if every number in the array is even or not.)

function isEven(element) {

return (element % 2 == 0);

}

console.log([2,6].every(isEven));

Output

true

**3) filter**(creates a new array consisting of only those elements that satisfy condition)

function isEven(value) {

return (value % 2 == 0);

}

var evenNumbers = [12,19,2,7].filter(isEven);

console.log(evenNumbers);

Output

[ 12, 2 ]

**4) foreach**(calls a function once for each element in an array)

const letters = ['a', 'b', 'c'];

letters.forEach((letter, index, arr) => {

console.log(letter,index, arr);

});

Output

4) foreach output a 0 [ 'a', 'b', 'c' ]

foreach output b 1 [ 'a', 'b', 'c' ]

foreach output c 2 [ 'a', 'b', 'c' ]

**5) indexOf**(searches the array for the specified item, and returns its position)

Var car=["Brezza", "swift", "minicooper", "nano"]

car.indexof(“swift”)

Output

1

**6) join**(combines all the elements of an array into a string and return a new string)

Var car=["Brezza", "swift", "minicooper", "nano"]

car.join("-")

Output

"Brezza-swift-minicooper-nano"

7) lastindexOf(returns the position of the last occurrence of a specified value in a string)

var name = babu;

name.lastIndexOf('a');

Output

1

**8) map**(creates a new array populated with the results of calling a provided function on every element in the calling array)

let numbers = [4, 9]

let sq\_roots = numbers.map(function(num) {

return Math.sqrt(num)

})

console.log(“ Map output",sq\_roots);

Output

Map output [ 2, 3 ]

**9)pop()** //The pop() method removes items to the end of an array, and returns the new length.

Var car=["Brezza", "swift", "minicooper", "nano"]

Output:

car.pop()

4

["Brezza", "swift", "minicooper", "nano"]

**10)push()** //The push() method adds new items to the end of an array, and returns the new length.

Var car=["Brezza", "swift", "minicooper", "nano"]

Output:

car.push("TATA")

5

["Brezza", "swift", "minicooper", "nano", "TATA"]

**11)reduce()**//The reduceRight() method executes a provided function for each value of the array (from left-to-right).

Output:

var numbers = [500, 50, 25];

function reduceright(total, num) {

return total - num;

}

number.reduce(reduceright)

**12)reduceRight()**//The reduceRight() method executes a provided function for each value of the array (from right-to-left).

Output:

var numbers = [500, 50, 25];

function reduceright(total, num) {

return total - num;

}

number.reduceRight(reduceright)

-525

425

**13)reverse()** //reverse() method reverse the items in the array

Var car=["Brezza", "swift", "minicooper", "nano"]

car.reverse()

["nano", "minicooper", "swift", "brezza"]

**14)shift()** //The shift() method removes the first item of an array.

Output:

Var car=["Brezza", "swift", "minicooper", "nano"]

car.shift()

["swift", "minicooper", "nano"]

**15)slice()** //The slice() method returns the selected elements in an array, as a new array object.

output:

Var car=["Brezza", "swift", "minicooper", "nano"]

car.slice(1,3);

(2) ["swift", "minicooper"]

**16)some()**//The some() method checks if any of the elements in an array pass a test (provided as a function).

output:

Var car=["Brezza", "swift", "minicooper", "nano"]

function len(caritem){

return caritem.length>4;

}

false

**17)tosource()**

**18) sort()** //The sort() method sorts an array alphabetically

Var car=["Brezza", "swift", "minicooper", "nano"]

Output:

["Brezza", "minicooper”, "nano", "swift"]

**19)splice()** The splice() method adds/removes items to/from an array, and returns the removed item(s).

Output:

var car = ["BMW", "BENZ", "JAGUAR", "MINI COOPER"];

car. splice(2, 0, " MARUTHI ", " HYUNDAI ");

(6) ["BMW", "MARUTHI", "HYUNDAI", "BENZ", "JAGUAR", "MINI COOPER"]

**20)toString()** //The **toString()** function in Javascript is used with a number and converts the number to a string.

Output:

var a=Date.now();

"1578811833635"

**21)unshift** //The unshift() method adds new items to the beginning of an array, and returns the new length.

var car = ["BMW", "BENZ", "JAGUAR", "MINI COOPER"];

car.unshift("BMW","MARUTHI");

Output:

(6) ["BMW", "MARUTHI", "BMW", "BENZ", "JAGUAR", "MINI COOPER"]