METHODS IN JS

1.Write a code to get like below using join method:

var fruits = ['Apple','Banana','Orange'];

Code:

var fruits = ['Apple','Banana','Orange'];

console.log(fruits.join())

Output: Apple,Banana,Orange

Exp: Here, we are using join method. Join method is used to convert all the elements in the array into a string. When console.log(fruits.join()) is called, it outputs the string "Apple,Banana,Orange", combining the array elements with commas.

2.Write a code to get like below using join method:

var numbers = [1,2,3,4,5];

Code:

var numbers = [1,2,3,4,5];

console.log(numbers.join("-"))

Output:

1-2-3-4-5

Exp: Here, we are using join method. Join method is used to convert all the elements in the array (numbers) into a string by using "-".Then we will get the output 1-2-3-4-5 with hypens.

3.Write a code to get like below using join method:

var chars = ['H','e','l','l','o'];

Code:

 var chars = ['H','e','l','l','o'];

 console.log(chars.join(""))

Output: Hello

Exp: Here, we are using join method. Join method is used to convert all the elements in the array into a string. Here, the elements of the chars are converted into string.

4.Write a code to get like below using slice method:

var text = 'JavaScript is awesome';

Code:

var text = 'JavaScript is awesome';

console.log(text.slice(0,10))

Output: JavaScript

Exp: Here, we are using slice method. We are trying to access only the JavaScript element from all other elements. So, we are using index's to access the element 'JavaScript' by giving start value of the index 'J' (0) and till the end value. i.e end index value of 'JavaScript' element i.e 't' ends at index 10.

5.Write a code to get like below using slice method:

var sentence = 'I love learning JavaScript!';

Code:

var sentence = 'I love learning JavaScript!';

console.log(sentence.slice(7,15))

Output: learning

Exp: Here, we are using slice method. We are trying to access the element "learning" from the variable name "sentence". By using the index values from 7 to 15, we are able to get learning element as output.

6.Write a code to get like below using slice method:

var text = 'Frontend Development';

Code:

var text = 'Frontend Development';

console.log(text.slice(-11))

Output: Development

Exp: Here, we are using slice method. In the slice method we can use both positive and negative indexing. Now, we are trying to access the element "Development" from the variable name "text" by giving negative indexing -11, so to get the element "Development" as output.

7.Write a code to get like below using split method:

var date = '2024-10-21';

Code:

var date = '2024-10-21';

console.log(date.split("-"))

Output: ['2024', '10', '21']

Exp: Here, we are using split method. We're using split method to divide the string at each hypen and return the array of resulting substring.

8.Write a code to get like below using split method:

var text = 'I love JavaScript programming';

Code:

```
var text = 'I love JavaScript programming';
var x1=(text.slice(0,6));
console.log(x1.split(" "))
```

Output: ['I', 'love']

Exp: Here, first we're performing slicing operation to extract the substring 'I love' from the original string. Next, the split method is used to divide the substring to get the result 'I' 'love'

9.Write a code to get like below using split method:

let url = 'https://www.example.com/path/page.html';

Code:

```
let url = 'https://www.example.com/path/page.html';
var x2 = (url.slice( ));
console.log(x2.split("/"))
```

Output: ['https:', '', 'www.example.com', 'path', 'page.html']

Exp: Here, first we're performing slicing without giving any arguments. Next, we're doing split method to divide the string at each slash / which results into an array.