

Javascript ES6

Lesson 4: Working with Arrays



Lesson Objectives

In this lesson, you will learn about:

- Array object
- Properties and methods of Array objects





4.1: Array Object

Concept of Array Objects

An array is the sole JavaScript data structure provided for storing and manipulating ordered collections of data

For creating an array, you can use the following

```
var myArray = new Array() //empty array
```

```
solarSys = new Array(2) //Array defined with size  
solarSys[0] = "Mercury" // Assigning values to array  
solarSys[1] = "Venus"
```

```
solarSys = new Array("Mercury", "Venus", ...) condensed  
array
```

```
solarsys=["Mercury","Venus",....] // literal array
```



Concept of Array Object Methods

JavaScript provides the following array object methods:

- `arrayObject.length`
- `arrayObject.join(separatorString)`
- `arrayObject.reverse()`

Example for length method

- `myArray.length` // result: 5

Code snippet for usage of join method

- In this, `myArray` contents will be joined and placed into `arrayText` by using the comma separator

```
var arrayText = myArray.join(",")
```

Demo



Arr_demo.html



Lab



Lab 4 :

- Working with Arrays



Summary



An array is a set of variables

You can create an array object by using new operator

Array Object properties are length

Array Object Methods are concat, join, reverse, slice etc





Review Question

Question 1: The ____ method allows you to join array contents and place it into a text

- Option 1: `array.concat()`
- Option 2: `array.join()`

Question 2: An array object automatically has a size property.

- True/False

