

## Data Types in JavaScript:

Data types in JavaScript describe the different types or kinds of data that you will be working with and storing in variables. It's important that you learn each of these data types because otherwise data can get stored in an improper format which will result in issues in your code later on JavaScript, data types are used to classify different types of data and define the type of values that a variable can hold. The main data types in JavaScript include:

Primitive data types: These are the basic data types that include numbers, strings, Booleans, and special values like null and undefined.

Data Type	Description
String	A string is a collection of alphanumeric characters.
Number	Numbers are for numbers. We can't put a letter on here.
Boolean	Booleans have two values. True and false.
Null and Undefined	null and undefined stand for empty. That means they have no value assigned to them.
Symbols	Symbol is a primitive data type of JavaScript. It's a very peculiar data type. Once you create a symbol, you can't change its value.
Array	An array is a type of object used for storing multiple values in single variable.
Object Literals	It is a comma-separated list of name-value pairs wrapped in curly braces.
Date	JavaScript does not have a date data type. However, you can use the Date object and it will give you the current date and time.

JavaScript is a loosely typed language, which means that the data type of a variable does not have to be explicitly declared. Instead, JavaScript automatically determines the data type of a variable based on the value assigned to it. However, it's a good practice to be aware of the data types in JavaScript as you work with variables and write your code.

In addition to these basic data types, JavaScript also has some special data types like Symbol and BigInt, which are used for specific purposes.

## **EXAMPLES**

### **String**

```
let color = "Yellow";  
let lastName = "Johnson";
```

### **Number**

```
let length = 16;  
let weight = 7.5;
```

### **Boolean**

```
let x = true;  
let y = false
```

### **Null**

### **Undefined**

Object:

```
const person = {firstName:"John", lastName:"Doe"};
```

Array object:

```
const cars = ["Saab", "Volvo", "BMW"];
```

Date object:

```
const date = new Date("2022-03-25");
```