

Q. Data Types in Javascript

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1 - Primitive data type

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2 - Non-Primitive data type

Q. Data Types in Javascript

1 - Primitive data type

The predefined data types provided by JavaScript language

also known as in-built data types.

Q. Data Types in Javascript

1 - Primitive data type

The predefined data types provided by JavaScript language

also known as in-built data types.

2- Non-Primitive data type

The data types that are derived from primitive data

also known as derived data types.

Q. Data Types in Javascript

Primitive data type

Number

Q. Data Types in Javascript

Primitive data type

Number

25 3.14 -89 -9.475

Q. Data Types in Javascript

Primitive data type

Number

25

3.14

-89

-9.475

```
let total = 98;  
let profit = 34.5;  
let loss = -50;
```


Q. Data Types in Javascript

Primitive data type

Number

25

3.14

-89

-9.475

```
> typeof(25)
```

```
< 'number'
```

```
> typeof(3.14)
```

```
< 'number'
```

```
> typeof(-9.475)
```

```
< 'number'
```

Q. Data Types in Javascript

Primitive data type

String

“Codingwithprakash”

‘Codingwithprakash’

Q. Data Types in Javascript

Primitive data type

String

“Codingwithprakash”

‘Codingwithprakash’

```
let channelName = "codingwithprakash";  
let asloChannelName = 'codingwithprakash';
```

Q. Data Types in Javascript

Primitive data type

String

“Codingwithprakash”

‘Codingwithprakash’

```
> typeof('codingwithprakash')  
<& 'string'  
> typeof("codingwithprakash")  
<& 'string'  
> |
```

Q. Data Types in Javascript

Primitive data type

Boolean

true

false

Q. Data Types in Javascript

Primitive data type

Boolean

true

false

```
let channelSubscribed = true;  
let videoLiked = false;
```

Q. Data Types in Javascript

Primitive data type

Boolean

true

false

```
> typeof(true)
< 'boolean'
> typeof(false)
< 'boolean'
>
```

Q. Data Types in Javascript

Primitive data type

Null

null

Null

`null` represents an intentional absence of a value.

JS sample.js ●

Users > prakashshukla > Desktop > JS sample.js > ...

1

2 `var result = null;`

Q. Data Types in Javascript

Primitive data type

Null

null

```
> typeof(null)  
↵ 'object'
```

Q. Data Types in Javascript

Primitive data type

Null

null

From [the MDN page about the behaviour of the `typeof` operator](#):


`null`

```
// This stands since the beginning of JavaScript
typeof null === 'object';
```

In the first implementation of JavaScript, JavaScript values were represented as a type tag and a value. The type tag for objects was 0. `null` was represented as the NULL pointer (0x00 in most platforms). Consequently, null had 0 as type tag, hence the "object" `typeof` return value. ([reference](#))

A fix was proposed for ECMAScript (via an opt-in), but [was rejected](#). It would have resulted in `typeof null === 'null'`.

Q. Data Types in Javascript




JavaScript
FULL COURSE (हिंदी)

2. What is ECMAScript?

7:20

JavaScript Course in Hindi #2 What is ECMAScript?

16 views • 9 hours ago

 CodingWithPrakash

Learn the basics of Javascript in our second tutorial in Hindi. In this video, I have covered what is ECMAScript which is a very ...

New

Q. Data Types in Javascript

Primitive data type

Undefined

undefined

Q. Data Types in Javascript

Primitive data type

Undefined

undefined

```
let total = undefined
```

Q. Data Types in Javascript

Primitive data type

Undefined

undefined

```
> let total; typeof(total);  
↳ 'undefined'  
>
```

Q. Data Types in Javascript

Primitive data type

Symbol

Symbol() *Symbol("codingwithprakash")*

Q. Data Types in Javascript

Primitive data type

Symbol

Symbol() *Symbol("codingwithprakash")*

```
Symbol();  
Symbol();  
Symbol();  
Symbol();  
Symbol();
```

Q. Data Types in Javascript

Primitive data type

Symbol

Symbol() *Symbol("codingwithprakash")*

```
let user = { name: "codingwithprakash" };  
  
user.name = "prakash";
```

Q. Data Types in Javascript

Primitive data type

Symbol

Symbol() *Symbol("codingwithprakash")*

```
let user = { name: "codingwithprakash" };  
  
user.name = "prakash";  
  
const nameSymbol = new Symbol("name");  
user[nameSymbol] = "prakash";
```

Q. Data Types in Javascript

Primitive data type

Symbol

Symbol() *Symbol("codingwithprakash")*

```
> typeof(Symbol())  
↳ 'symbol'
```

Q. Data Types in Javascript

Primitive data type

BigInt

9007199254740991n

BigInt(9007199254740991)

Q. Data Types in Javascript

Primitive data type

BigInt

9007199254740991n

BigInt(9007199254740991)

```
> typeof(9007199254740991n)
< 'bigint'
> typeof(BigInt(9007199254740991))
< 'bigint'
>
```

Q. Data Types in Javascript

Non- Primitive data type

Q. Data Types in Javascript

Non- Primitive data type

Variables of non-primitive data types are stored in the heap memory of the system, while primitive data types variables are stored in the stack space of the system.

Q. Data Types in Javascript

Non- Primitive data type

Object

Q. Data Types in Javascript

Non- Primitive data type

Object

```
var shape = {};  
  
var square = {length: 15, breadth: 15};
```

Q. Data Types in Javascript

Non- Primitive data type

Array

Q. Data Types in Javascript

Non- Primitive data type

Array

```
// creating an empty array (no arguments)
var array1 = new Array();

// creating an array with the number of elements (a single argument)
var array2 = new Array(9);

// creating an array with multiple values (two or more arguments)
var array3 = new Array(9, 7, 6.2, "hello");
```