Activity on Web Computing

Data Types in JavaScript

Data type refers to the type of value a variable has and what type of mathematical, relational or logical operations can be applied without causing an error.

JavaScript has 8 Datatypes

1. String
2. Number
3. Bigint
4. Boolean
5. Undefined
6. Null
7. Symbol
8. Object

Strings

A string (or a text string) is a series of characters like "John Doe". Strings are written with quotes. You can use single or double quotes.

```
// Using double quotes:
let carName1 = "Volvo XC60";
// Using single quotes:
let carName2 = 'Volvo XC60';
```

Numbers

All JavaScript numbers are stored as decimal numbers (floating point). Numbers can be written with, or without decimals.

```
// With decimals:
let x1 = 34.00;
// Without decimals:
let x2 = 34;
```

BigInt

All JavaScript numbers are stored in a a 64-bit floating-point format. JavaScript BigInt is a new datatype (ES2020) that can be used to store integer values that are too big to be represented by a normal JavaScript Number.

```
let x = BigInt("123456789012345678901234567890");
```