JS - Data Types

Primitive Data Types

Primitive data types are simple data types that represent a single value and are immutable.

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// Primitive Data Types in JavaScript:
1. Number - Represents numeric values (integers and floating-point numbers).
2. String - Represents a sequence of characters.
3. Boolean - Represents either true or false.
4. Null - Represents the intentional absence of any value or object.
5. Undefined - Represents a variable that has been declared but not assigned a value.
6. Symbol (ES6) - Represents a unique and immutable value.
// Examples of Primitive Data Types:
// 1. Number
let age = 30; // An integer
let price = 10.99; // A floating-point number
// 2. String
let name = "Alice"; // A string value
let greeting = 'Hello, world!'; // Another string
// 3. Boolean
let isActive = true; // Boolean value representing true
let isOver18 = false; // Boolean value representing false
// 4. Null
let emptyValue = null; // Null value
// 5. Undefined
let notAssigned; // Variable is declared but not assigned a value (undefined)
// 6. Symbol
let sym1 = Symbol('id'); // A unique and immutable value
Data Type | Example Value
                                         Description
Number
                                         Represents numbers (integers and decimals).
             | "Hello", 'world'
                                         Represents a sequence of characters.
String
          | "Hello", 'worla
| true, false
                                        Represents true or false.
l Boolean
                                        Represents no value or an empty object.
Null
             | null
Undefined
            undefined
                                        Represents a variable that is declared but not defined.
             | Symbol('id')
Symbol
                                         Represents a unique and immutable value.
```

Non-Primitive Data Types

Non-primitive data types are more complex types that can hold multiple values and are mutable.