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JAVASCRIPT BASIC FUNDAMENTALS

By
Pritey Mehta

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AGENDA

1. Datatypes
2. Objects & Arrays
3. DOM Manupilation
4. Truthy & Falsy Values

DATATYPES

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In JavaScript, primitive data types are passed by value, meaning that when you pass a primitive data type to a function or assign it to a variable, a copy of the value is created. Non-primitive data types, on the other hand, are passed by reference, meaning that changes to the object will affect the original data.

Primitive

Number
String
Null
Byte
Boolean
Undefined

Non-Primitive

Objects
Arrays
Functions

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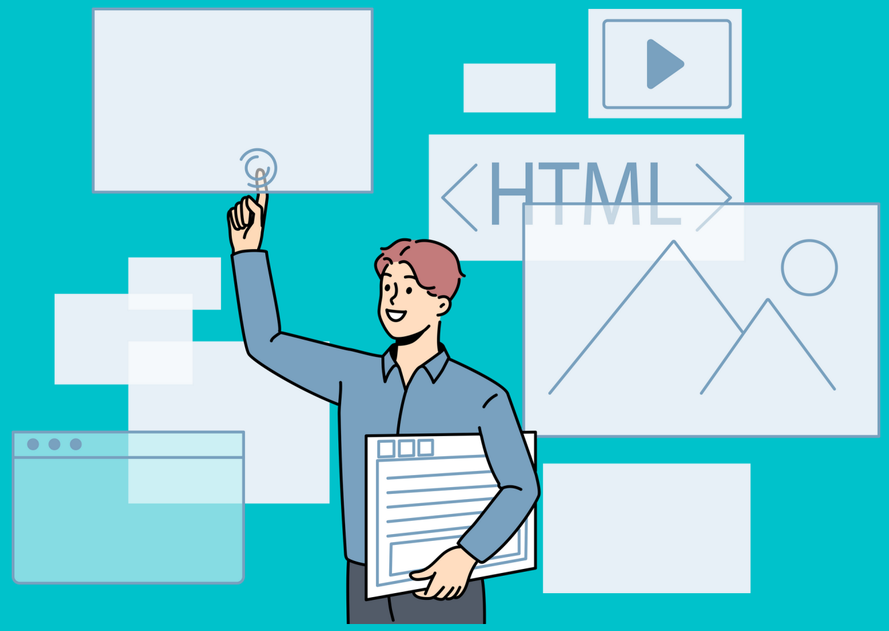
DOM MANUPILATION



JavaScript DOM (Document Object Model) manipulation refers to the process of using JavaScript to interact with and modify the elements on a web page.

With JavaScript, you can access and manipulate HTML elements on a page, such as adding or removing elements, changing their styles, or updating their contents.

SELECTING ELEMENTS

document.getElementById()

document.getElementsByClassName()

document.getElementsByTagName()

document.querySelector()

document.querySelectorAll()

MODIFYING ELEMENT CONTENT

element.innerHTML

element.textContent

element.insertAdjacentHTML()

MODIFYING ELEMENT ATTRIBUTES & STYLES

element.getAttribute()

element.setAttribute()

element.style

element.classList

element.className

CREATING AND DELETING ELEMENTS

document.createElement()

element.appendChild()

element.removeChild()

element.replaceChild()

document.remove()

document.createTextNode()

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LET'S BEGIN THE TEST!

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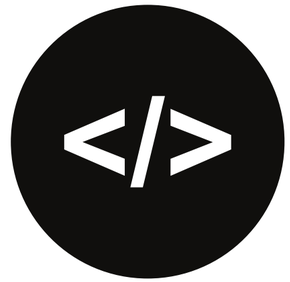
TRY IT BY YOUR OWN!

Create an object with one property.
Declare second object and assign it to previous object.
Change the property of first object.
Print out the second object and observe the output !



```
A = { name: "abc" };

B = A;

console.log("B value before", B);

A.name = "def";

console.log("B value after" , B);
```

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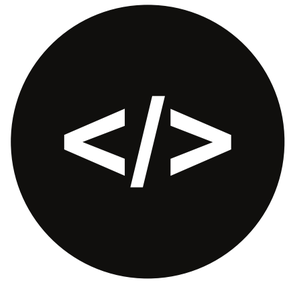
TRY IT BY YOUR OWN!

Create an object with one Boolean property. Set it to 1 and 0 vice versa and use it in if block as condition and observe the output !



```
A = { name: "abc" , age: 0 };

if(b.age)
{ console.log("if block")}
else
{ console.log("else block")}
```

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Believe. You're halfway there. Keep hustling to the finish line.

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THANK YOU!

Have a great day ahead.