Javascript-19th june

18 June 2024   10:18

1. Introduction to Javascript
2. Introduction about NodeJs
3. Setting up NodeJS environment to run programs
4. How to run a Basic javascript program
5. Variable Declarations in Javascript
6. Scopes of Variable declarations
7. DataTypes in Javascript
8. What are functions in javascript and how to write a function.

Reference links:

https://www.javascripttutorial.net/javascript-data-types/
https://www.javascripttutorial.net/javascript-primitive-vs-reference-values/

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Javascript

----> language
-------> Its helps us add interactivity
--------> HTML and CSS
     ----> Layout
--->functionality
     ---validation
     ---scrolling
     ---clicking
     ---dragging
     ---more….
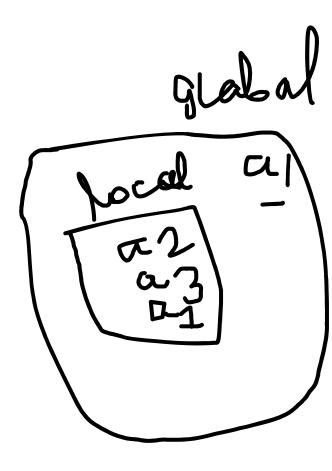
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Javacript

--browser engine

--Angular/React/vue
---> compiled--> Javascript

==> Google--> engine--Parser
---NodeJs
     --Javascript run time enviroment

1.Install NodeJs
2.CodeRunner
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Variable Declarations

Let
Const

Let
Const
Var

Not Defined vs Undefined

Not Defined---> Variable Not even declared
Undefined---> value hasn't been assinged

```
var a=220
let aa=223
const aaab=225
let value222
console.log(a)
console.log(aa)
console.log(aaab)
console.log(value222)
```

Let ---block Scoped
Var---globalScope
Const ---block Scoped

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Var

--allows re-declaration
---allow re-assigning
---> globalScope

Let
--->allows re-assigning
-->block Scope

Const
---> block scope
----> It doesn't allow re-declaration and re-assigning

	global scoped	function scoped	block scoped	reassignable	redeclarable	can be hoisted
var	+	+	-	+	+	+
let	-	+	+	+	-	-
const	-	+	+	-	-	-

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Variable Types

Primitive DataTypes
----SingleValue

Non-primitiveDataTypes

--Complex --Objects,Arrays

Let var const

<u>DataTypes</u>
Bool
String
Number
Undefined
Null
Symbol