# Topics that we have covered:

PART 1

* Installation of vs code and node js
* Alerts
* Console.log
* Document.write
* Variables
* Data Types
* Primitives

1. Number
2. String
3. Boolean
4. Null
5. Undefined
6. Symbol

* Complex Types

1. Objects
2. Function

* Typeof Operator
* Statements
* Expressions
* Comments
* Single line
* Multi line
* Reserved Keywords
* Variable Names
* Case Sensitive
* Camel Case
* Operators
* Arithmetic Operators
* Arithmetic Operators
* Comparison Operator
* Increment and Decrement Operator
* Logical Operators
* Operator Precedence
* String Concatenation
* Prompt
* Parsing String
* string to integer
* string to decimal
* string to number
* Conditions
* Else
* Else if
* If
* Nested if
* Switch
* Value Conversion to Boolean
* Number to Boolean
* Null to Boolean
* String to Boolean
* Undefined to Boolean
* Loops
* For loop
* Infinite loop
* Nested loop
* While loop
* Do while loop
* Break and Continue Keyword
* Arrays
* Creating Array
* Accessing Array Elements
* Accessing Full Array
* Add/Update Array Element
* Length Property
* Array Function

1. Splice
2. Slice
3. Indexof

* Array Data Structure

1. Random access
2. Stack

* Push function
* Pop function

1. Queue

* Shift function
* Unshift Function
* String
* Escape Character
* String Functions
* toLowerCase()
* toUpperCase()
* slice()
* indexOf()
* lastIndexOf()
* charAt()
* replace()
* split()
* Math Function
* Math.round()
* Math.ceil()
* Math.floor()
* Math.random()
* ToFixed()
* Math.pow()
* Math.sqrt()
* Math.abs()
* Math.sin()
* Math.cos()
* Math.min()
* Math.max()
* Math.exp()
* Math.log()
* Date Objects
* Creating Dates
* Retrieving Date Components
* Modifying Date
* Converting day to text
* Calculate time difference
* Functions
* Function declaration
* Anonymous Functions
* Invoking a function
* Parameters vs Arguments
* Parameter Rules
* Function Return
* Function in Expressions
* Local vs global variable
* Global variable without var keyword
* Function Hoisting
* Arguments passed by value
* Arguments passed by Reference
* Recursive Functions

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Part 2

* Template literals
* Scope in Block statements
* Lexical Scope
* Let and Const keyword
* Hoisting
* DOM
* Traversing DOM
* Previous and next sibling
* First and last child
* Get/Update DOM element
* Access and Update text node with node value
* Access and Update text content & inner text
* Accessing text only
* Access and update text and markup with inner html
* Adding/removing elements using Dom
* Adding or removing html content
* Attribute's nodes

1. Creating attributes and changing their value

2. Removing attributes

* Examining DOM in browser
* Selecting Element

1. using id
2. using classes
3. using query selector
4. Using tag name
   * Events
   * Onclick
   * Double click
   * Mouse enters
   * Mouse leave
   * Mouse move
   * Objects
     + Assigning keys
     + Assigning objects to objects
     + Assigning methods to objects
     + Object literals
     + Object’s Function

1)Object.keys()

2)Object.values()

3)Object.assign()

4)Object.hasOwnProperty()

* + Method using THIS keyword
  + function.call()
  + function.apply()
  + function.bind()
  + Callback function
  + BOM/ Windows model
  + Function Object
  + Spread operator
  + Rest operator