

# Java Script

## JavaScript - Basics

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- 1. Introduction to JavaScript
- 2. console.log( )
- 3. Variables
- 4. Introduction to Operators
- 5. Arithmetical Operators
- 6. Assignment Operators
- 7. Increment and Decrement Operators
- 8. Relational Operators
- 9. Logical Operators
- 10. Concatenation Operator
- 11. Introduction to Control Statements
- 12. if
- 13. if - else
- 14. else - if
- 15. Nested If
- 16. Switch - case
- 17. while
- 18. do - while
- 19. for

## JavaScript - Functions and Arrays

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- 20. Functions
- 21. Recursion
- 22. Arrays
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- **JavaScript - Object Oriented Programming**
- 23. Introduction to OOP
- 24. Object Literal
- 25. Reference Variables
- 26. Constructor Function
- 27. Object.Keys
- 28. Object Array Literal
- 29. Introduction to JSON
- 30. JSON.Stringify
- 31. JSON.parse
- 32. Prototype
- 33. Constructor Function - Inheritance using Call

## JavaScript - Data Types and Type Conversion

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- 34. Data Types
- 35. typeof
- 36. undefined (vs) null
- 37. == (vs) ===
- 38. String( ) Conversion Function
- 39. toString( ) Function
- 40. Number( ) Function
- 41. parseInt( ) Function
- 42. parseFloat( ) Function
- 43. + Unary Operator For Conversion
- 44. toFixed( ) Function

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### JavaScript - String Functions

- 45. toUpperCase( )
- 46. toLowerCase( )
- 47. length
- 48. charAt( )
- 49. charCodeAt( )
- 50. substr( )
- 51. indexOf( )
- 52. lastIndexOf( )
- 53. replace( )
- 54. split( )
- 55. trim( )
- 56. concat( )

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### JavaScript - Date Functions

- 57. new Date( )
- 58. toLocaleDateString( )
- 59. toLocaleTimeString( )
- 60. getTime( )
- 61. getDay( )
- 62. getDate( ), getMonth( ), getFullYear( )
- 63. getHours( ), getMonth( ), getSeconds( ), getMilliseconds( )
- 64. setFullYear( ), setMonth( ), setDate( )

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### JavaScript - Advanced Topics

- 65. Noscript
- 66. Clousers
- 67. Hoisting
- 68. Script Tag Position

## JavaScript - DOM - Window Object

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- 69. Introduction to DOM
- 70. Window Properties
- 71. window.alert
- 72. window.confirm
- 73. window.print
- 74. window.setTimeout
- 75. window.setInterval
- 76. window.scrollTo
- 77. window.open

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### • JavaScript - DOM - Document Object

- 78. Document Object Properties
- 79. document.write( )
- 80. getElementById( )
- 81. getElementsByTagName
- 82. getElementsByTagName
- 83. getElementsByTagName
- 84. querySelectorAll
- 85. querySelector

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### • JavaScript - DOM - Element Object

- 86. Element Properties
- 87. tagName
- 88. id
- 89. innerHTML and innerText
- 90. style
- 91. parentElement, Children, scrollTop
- 92. setAttribute, getAttribute, removeAttribute
- 93. Reading Attributes
- 94. hasAttribute
- 95. focus( ) and click( ) Functions
- 96. remove( )
- 97. createElement, appendChild( )
- 98. insertBefore( )

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### • JavaScript - DOM - Events

- 99. Introduction to Events
- 100. Click event
- 101. Dblclick event
- 102. Mouseover and Mouseout Events
- 103. Mousemove Event
- 104. Keyup Event

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- 105. Keypress Event
  - 106. Restricting Specific Characters using Keypress
  - 107. Focus and Blur Events
  - 108. Change Event - TextBox, CheckBox, RadioButton and DropDownList
  - 109. Contextmenu Event
  - 110. Cut, Copy, Paste Events
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  - **JavaScript - Other Concepts**
  - 111. Form Validations
  - 112. External JavaScript