

JavaScript

Duration :20 hrs

Topics

JavaScript Fundamentals

- Adding Comments
- Debugging JavaScript Code
- Declaring Variables with and without var
- Local vs. Global Variables
- Using JavaScript Primitive Types
 - String, Number and Boolean
 - Undefined
 - null
- Performing Data Conversions
- Interacting with the User
 - Alert
 - Prompt
 - confirm
- Using Strict Mode
- Working with JavaScript Operators
 - Arithmetic Operators
 - Assignment Operators
- Using the Math and Date Objects

Control Flow

- Conditional Constructs
 - if else
 - switch
- Looping Constructs
 - do while
 - while
 - for
 - for in
- Branching Statements
 - break
 - continue
- Equality and Identity Operators
- Logical and Comparison Operators

Strings, Numbers and Arrays

- Creating String Objects
- Using String Methods

- Searching within a String
- Returning a Substring
- Converting Character Case
- Creating Number Objects
- Formatting Numbers
- Creating Arrays
 - Using the Array Constructor
 - Using Literal Notation
- Accessing Array Elements
- Common Array Methods
- Defining and Using Associative Arrays
- Predefined Object Arrays

Functions in JavaScript

- Declaring Functions
- Invoking Functions
- Named and Anonymous Functions
- Passing Arguments
- Local vs. Global Variables
- Returning Values from a Function
- The this Keyword
- Explaining Closures