

- ✔ Comment Your JavaScript Code
- ✔ Declare JavaScript Variables
- ✔ Storing Values with the Assignment Operator
- ✔ Assigning the Value of One Variable to Another
- ✔ Initializing Variables with the Assignment Operator
- ✔ Declare String Variables
- ✔ Understanding Uninitialized Variables
- ✔ Understanding Case Sensitivity in Variables
- ✔ Explore Differences Between the var and let Keywords
- ✔ Declare a Read-Only Variable with the const Keyword
- ✔ Add Two Numbers with JavaScript
- ✔ Subtract One Number from Another with JavaScript
- ✔ Multiply Two Numbers with JavaScript
- ✔ Divide One Number by Another with JavaScript

- ✔ Increment a Number with JavaScript
- ✔ Decrement a Number with JavaScript
- ✔ Create Decimal Numbers with JavaScript
- ✔ Multiply Two Decimals with JavaScript
- ✔ Divide One Decimal by Another with JavaScript
- ✔ Finding a Remainder in JavaScript
- ✔ Compound Assignment With Augmented Addition
- ✔ Compound Assignment With Augmented Subtraction
- ✔ Compound Assignment With Augmented Multiplication
- ✔ Compound Assignment With Augmented Division
- ✔ Escaping Literal Quotes in Strings
- ✔ Quoting Strings with Single Quotes
- ✔ Escape Sequences in Strings
- ✔ Concatenating Strings with Plus Operator
- ✔ Concatenating Strings with the Plus Equals Operator

✔ Constructing Strings with Variables

✔ Appending Variables to Strings

✔ Find the Length of a String

✔ Use Bracket Notation to Find the First Character in a String

✔ Understand String Immutability

✔ Use Bracket Notation to Find the Nth Character in a String

✔ Use Bracket Notation to Find the Last Character in a String

✔ Use Bracket Notation to Find the Nth-to-Last Character in a String

✔ Word Blanks

✔ Store Multiple Values in one Variable using JavaScript Arrays

✔ Nest one Array within Another Array

✔ Access Array Data with Indexes

- ✔ Modify Array Data With Indexes
- ✔ Access Multi-Dimensional Arrays With Indexes
- ✔ Manipulate Arrays With push()
- ✔ Manipulate Arrays With pop()
- ✔ Manipulate Arrays With shift()
- ✔ Manipulate Arrays With unshift()
- ✔ Shopping List
- ✔ Write Reusable JavaScript with Functions
- ✔ Passing Values to Functions with Arguments
- ✔ Return a Value from a Function with Return
- ✔ Global Scope and Functions
- ✔ Local Scope and Functions
- ✔ Global vs. Local Scope in Functions
- ✔ Understanding Undefined Value returned from a Function
- ✔ Assignment with a Returned Value

- ✔ Stand in Line
- ✔ Understanding Boolean Values
- ✔ Use Conditional Logic with If Statements
- ✔ Comparison with the Equality Operator
- ✔ Comparison with the Strict Equality Operator
- ✔ Practice comparing different values
- ✔ Comparison with the Inequality Operator
- ✔ Comparison with the Strict Inequality Operator
- ✔ Comparison with the Greater Than Operator
- ✔ Comparison with the Greater Than Or Equal To Operator
- ✔ Comparison with the Less Than Operator
- ✔ Comparison with the Less Than Or Equal To Operator
- ✔ Comparisons with the Logical And Operator
- ✔ Comparisons with the Logical Or Operator
- ✔ Introducing Else Statements

- ✔ Introducing Else If Statements
- ✔ Logical Order in If Else Statements
- ✔ Chaining If Else Statements
- ✔ Golf Code
- ✔ Selecting from Many Options with Switch Statements
- ✔ Adding a Default Option in Switch Statements
- ✔ Multiple Identical Options in Switch Statements
- ✔ Replacing If Else Chains with Switch
- ✔ Returning Boolean Values from Functions
- ✔ Return Early Pattern for Functions
- ✔ Counting Cards
- ✔ Build JavaScript Objects
- ✔ Accessing Object Properties with Dot Notation
- ✔ Accessing Object Properties with Bracket Notation
- ✔ Accessing Object Properties with Variables

- ✔ Updating Object Properties
- ✔ Add New Properties to a JavaScript Object
- ✔ Delete Properties from a JavaScript Object
- ✔ Using Objects for Lookups
- ✔ Testing Objects for Properties
- ✔ Manipulating Complex Objects
- ✔ Accessing Nested Objects
- ✔ Accessing Nested Arrays
- ✔ Record Collection
- ✔ Iterate with JavaScript While Loops
- ✔ Iterate with JavaScript For Loops
- ✔ Iterate Odd Numbers With a For Loop
- ✔ Count Backwards With a For Loop
- ✔ Iterate Through an Array with a For Loop
- ✔ Nesting For Loops

✔ Iterate with JavaScript Do...While Loops

○ Replace Loops using Recursion

○ Profile Lookup

○ Generate Random Fractions with JavaScript

○ Generate Random Whole Numbers with JavaScript

○ Generate Random Whole Numbers within a Range

○ Use the parseInt Function

○ Use the parseInt Function with a Radix

○ Use the Conditional (Ternary) Operator

○ Use Multiple Conditional (Ternary) Operators

○ Use Recursion to Create a Countdown

○ Use Recursion to Create a Range of Numbers