

Javascript syllabus

Introduction

- Simple Addition
- Fun With Text
- Combining Text and Numbers

Variables and Operators

- Favorite Language, Again
- What is a Variable?
- Your Name
- Numbers in Variables
- Changing Variable Values
- More on Assignment
- Equality
- What's Your Type?
- Empty Cans, Empty Variables
- Increment Operator
- Adding Numbers, Again
- Another Addition Operator

Dive into Strings

- What Are Strings?
- Combining Strings
- Length of a String
- Selecting Characters
- Substrings
- Change to Upper Case
- What is your Index?
- Reversing a String
- What's the Secret?

Functions

- Simple Addition Function
- Division Problem
- Capitalize the First Letter
- Capitalize Names
- Square a Number
- Sum of Squares
- Area of Triangle
- Just Came to Say Hello
- Global Variables

Control Structures

- Max of Two
- Best of Three
- Doesn't JS Rock?
- Are you Chuck Norris?
- Are you Chuck Norris?
- Five Letter Palindrome
- FizzBuzz
- Nested If Else Statements
- Global Variables

Loops

- Add 'Em Up
- Sum Odd Numbers
- Auto Correct, Kind Of
- Comparing Strings
- Count to 100, Again
- Word Count

Arrays

- Pushing Arrays
- Every Other One
- First and Last
- Reverse Swapping
- Range
- Words
- If and Only If
- Delete Free Emails

JavaScript summary

- Getting Started
- Running Code
- Syntax Basics
- Types
- Operators
- Conditional Code
- Loops
- Reserved Words
- Arrays
- Objects
- Functions
- Testing Type
- The `typeof` Keyword
- Scope
- Closures

JQuery syllabus

About jQuery

- How jQuery Works
- Additional jQuery Support
- Combining Text and Numbers

Using jQuery Core

- \$ vs \$()
- \$(document).ready()
- Avoiding Conflicts with Other Libraries
- Attributes
- Selecting Elements
- Working with Selections
- Manipulating Elements
- The jQuery Object
- Traversing
- CSS, Styling, & Dimensions
- Data Methods
- Utility Methods
- Iterating over jQuery and non-jQuery Objects
- Using jQuery's .index() Function

Events

- jQuery Event Basics
- Event Helpers
- Introducing Events
- Handling Events
- Inside the Event Handling Function
- Understanding Event Delegation
- Triggering Event Handlers
- History of jQuery Events
- Introducing Custom Events
- jQuery Event Extensions

Effects

- Introduction to Effects
- Custom Effects with .animate()
- Queue & Dequeue Explained
- The uses of jQuery .queue()
- .dequeue()

Ajax

- Key Concepts

- jQuery's Ajax-Related Methods
- Ajax and Forms
- Working with JSONP
- Ajax Events

Plugins

- Finding & Evaluating Plugins
- How to Create a Basic Plugin
- Advanced Plugin Concepts
- Writing Stateful Plugins with the jQuery UI Widget Factory
- Append Outside of Loops
- Cache Length During Loops
- Detach Elements to Work with Them
- Don't Act on Absent Elements
- Optimize Selectors
- Use Stylesheets for Changing CSS on Many Elements
- Don't Treat jQuery as a Black Box

Code Organization

- Code Organization Concepts
- Beware Anonymous Functions
- Keep Things DRY
- Feature & Browser Detection
- Deferreds

jQuery UI

- Getting Started with jQuery UI
- How jQuery UI Works
- Theming jQuery UI
- Widget Factory
- Theming jQuery UI