

jQuery with Fundamentals of JavaScript Training



Do you wonder why jQuery is so popular? Do you want to demystify its secrets? If yes, then you are at the right place, but there are a few things you should know about JavaScript first.

JavaScript is a prototype based scripting language whose syntax is influenced by C. JavaScript & Java are very distinct amongst themselves, they are semantically different as

well though JavaScript copies many names and naming conventions from Java. It is a multi-paradigm language, supporting object-oriented, imperative, and functional programming styles.

Based on an open standard called ECMAScript, JavaScript has quickly become the "programming language of the web". So now, it is needless to say why it is important to learn JavaScript before unlocking the power of jQuery.

jQuery is a multi browser JavaScript library designed to simplify the client side scripting of HTML. HTML5 has now grabbed the attention of whole world & it is used in a full fledged manner with JavaScript, as jQuery is free open source software. Used by over 65% of the 10,000 most visited websites, jQuery is the most popular JavaScript library in use today. Even the top notch firms like Microsoft & Nokia bundles jQuery with their platforms.

At TLabs, we respect the demand of time & love to go along with it. Acknowledging the trends we serve neatly designed syllabus that explores jQuery covering the thorough fundamentals of JavaScript. Having a basic knowledge of JavaScript will go a long way in understanding, structuring, and debugging your code. After the completion of this course, you will be able to create plug-ins in jQuery library to create abstractions for low-level interaction and animation, advanced effects and high-level theme-able widgets.

Course Features

2 Hours

of Daily Trainer interactive training

4 Hours

of Daily practise, assignments by Trainers

300+ Assignments

Various assignments to practise on

50+ Videos

Access to Web Design Video library

400+ PDFs | 500+ PPTs

Access Text based learning resouces

Course Stats

3 Trainers

Who are Front End Web Developers in various reputed companies, having 5+ years of Exp.

28 Students

Have attended this course

6 Projects

Projects students have completed successfully

10 Recruitment partners

Companies in which students have been placed

Ratings

4.7



28 total

Features of the course

- Comprehensive course curriculum
- Training is imparted in a fun and exciting manner to make is student – friendly
- Lectures conducted by industry professionals who carry with themselves years of experience
- Sufficient reading material for self – study
- Practical experience to aid the theory knowledge
- Daily practice on the system for more than 4 hours
- Conducive environment for all round development of the students
- Grooming sessions like English speaking and personality development

[Enroll for this batch](#)

Customized Corporate Private Trainings: We deliver all our courses as [Corporate Training](#) as well - if you are a group interested in the course, this option may be more advantageous for you.

Course curriculum

Javascript course syllabus

1. Introduction

1. Simple Addition
2. Fun With Text
3. Combining Text and Numbers

2. Variables and Operators

1. Favorite Language, Again
2. What is a Variable?
3. Your Name
4. Let's Make a Sentence
5. Numbers in Variables
6. Changing Variable Values
7. More on Assignment
8. Equality
9. What's Your Type?
10. Empty Cans, Empty Variables
11. Increment Operator
12. Adding Numbers, Again
13. Another Addition Operator

3. Dive into Strings

1. What Are Strings?
2. Combining Strings
3. Length of a String
4. Selecting Characters
5. Substrings
6. Change to Upper Case
7. What is your Index?
8. Reversing a String
9. What's the Secret?

4. Functions

1. Simple Addition Function
2. Division Problem
3. Capitalize the First Letter
4. Capitalize Names
5. Square a Number
6. Sum of Squares
7. Area of Triangle
8. Just Came to Say Hello
9. Global Variables

5. Control Structures

1. Max of Two
2. Best of Three
3. Doesn't JS Rock?
4. Are you Chuck Norris?
5. Find the Number
6. Five Letter Palindrome
7. FizzBuzz
8. Nested If Else Statements

6. Loops

1. Add 'Em Up
2. Sum Odd Numbers
3. Auto Correct, Kind Of
4. Comparing Strings
5. Count to 100, Again
6. Word Count

7. Arrays

1. Pushing Arrays
2. Every Other One
3. First and Last
4. Reverse Swapping
5. Range
6. Words
7. If and Only If
8. Delete Free Emails

8. JavaScript summary

1. Getting Started
2. Running Code
3. Syntax Basics
4. Types
5. Operators

6. Conditional Code
7. Loops
8. Reserved Words
9. Arrays
10. Objects
11. Functions
12. Testing Type
13. The “this” Keyword
14. Scope
15. Closures

JQuery course syllabus

9. About jQuery

1. How jQuery Works
2. Additional jQuery Support

10. Using jQuery Core

1. \$ vs \$()
2. \$(document).ready()
3. Avoiding Conflicts with Other Libraries
4. Attributes
5. Selecting Elements
6. Working with Selections
7. Manipulating Elements
8. The jQuery Object
9. Traversing
10. CSS, Styling, & Dimensions
11. Data Methods
12. Utility Methods
13. Iterating over jQuery and non-jQuery Objects
14. Using jQuery's .index() Function
15. Frequently Asked Questions
 1. How do I select an item using class or ID?
 2. How do I select elements when I already have a DOM element?
 3. How do I test whether an element has a particular class?
 4. How do I test whether an element exists?
 5. How do I determine the state of a toggled element?
 6. How do I select an element by an ID that has characters used in CSS notation?
 7. How do I disable/enable a form element?
 8. How do I check/uncheck a checkbox input or radio button?
 9. How do I get the text value of a selected option?

10. How do I replace text from the 3rd element of a list of 10 items?
11. How do I pull a native DOM element from a jQuery object?

11. Events

1. jQuery Event Basics
2. Event Helpers
3. Introducing Events
4. Handling Events
5. Inside the Event Handling Function
6. Understanding Event Delegation
7. Triggering Event Handlers
8. History of jQuery Events
9. Introducing Custom Events
10. jQuery Event Extensions

12. Effects

1. Introduction to Effects
2. Custom Effects with `.animate()`
3. Queue & Dequeue Explained
4. The uses of jQuery `.queue()` and `.dequeue()`

13. Ajax

1. Key Concepts
2. jQuery's Ajax-Related Methods
3. Ajax and Forms
4. Working with JSONP
5. Ajax Events

14. Plugins

1. Finding & Evaluating Plugins
2. How to Create a Basic Plugin
3. Advanced Plugin Concepts
4. Writing Stateful Plugins with the jQuery UI Widget Factory

15. Plugins

1. Append Outside of Loops
2. Cache Length During Loops
3. Detach Elements to Work with Them

4. Don't Act on Absent Elements
5. Optimize Selectors
6. Use Stylesheets for Changing CSS on Many Elements
7. Don't Treat jQuery as a Black Box

16. Code Organization

1. Code Organization Concepts
2. Beware Anonymous Functions
3. Keep Things DRY
4. Feature & Browser Detection
5. Deferreds
 1. jQuery Deferreds
 2. Deferred examples

17. jQuery UI

1. Getting Started with jQuery UI
2. How jQuery UI Works
3. Theming jQuery UI
 1. Using jQuery UI ThemeRoller
 2. jQuery UI CSS Framework API
 3. How To Write a Theme
4. Widget Factory
 1. Extending Widgets with the Widget Factory
 2. Widget Method Invocation
 3. Why Use the Widget Factory?
 4. How To Use the Widget Factory
5. Theming jQuery UI
 1. Using jQuery UI ThemeRoller
 2. jQuery UI CSS Framework API
 3. How To Write a Theme

[Enroll for this batch](#)

Corporate Training

Customized Corporate Private Trainings: We deliver all our courses as [Corporate Training](#) as well - if you are a group interested in the course, this option may be more advantageous for you.

Job Profile

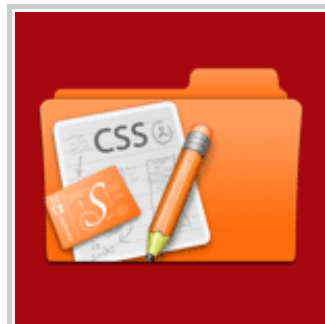
What will be your job profile after successful completion of this course

- Developing JavaScript/HTML5/CSS single or multiple page applications
- Creating JavaScript and CSS libraries that speed development
- Developing reusable UI components and rich intuitive user interfaces Using JavaScript
- Front end development using AJAX and JavaScript

[Enroll for this batch](#)

Customized Corporate Private Trainings: We deliver all our courses as [Corporate Training](#) as well - if you are a group interested in the course, this option may be more advantageous for you.

Other courses



Follow us on Social Media

- <https://www.facebook.com/TLabsonline>
- <https://twitter.com/tlabsonline>
- <http://www.linkedin.com/company/technnovation-labs>

Contact Us

4th Floor, Nandlal Hsg Society,
418 Narayan peth, Above Bedekar misal,
Munjobacha Bol, Shagun Chowk, Pune, Maharashtra - 411030
India, Contact: **8983002500**
<http://www.tlabsonline.com>