Overview

jQuery is a lightweight and cross-browser JavaScript library. This tutorial covers how to use jQuery for robust and rapid web development. This tutorial is intended for web developers who have basic knowledge of HTML, CSS and Javascript.

Learning Objectives

Overview
- Define jQuery library
- Compare the advantages and disadvantages of using jQuery
- Install and use jQuery Library

Selector:
- Use jQuery selectors to find and select HTML elements based on name, id, classes, types, values of attributes and other identities.

Traversing:
- Use jQuery traversing to find and select HTML elements based on their relationship in the DOM tree.

HTML/CSS Manipulation:
- Apply jQuery HTML Manipulation including reading, updating, adding and removing content
- Apply jQuery CSS Manipulation including modifying classes, attributes and dimensions.

Event and Animation:
- Distinguish different jQuery events, effects and animations
- Identify the best practice to create, add and remove event listener.
- Interpret and apply jQuery effect and animation APIs

AJAX:
- Understand AJAX effects and mechanism and classify AJAX helper and core functions
- Describe how jQuery simplifies the development process and construct AJAX function call

Plugins:
- Understand jQuery Plugins and how to combine them into jQuery scripts