

Training Day 20 Report

jQuery: -

- jQuery is a lightweight, “write less, do more” **JavaScript library** that simplifies web development.
- It provides an easy-to-use API for common tasks, making it much easier to work with JavaScript on your website.
- It streamlines web development by providing a concise syntax and powerful utilities for creating interactive and dynamic web pages.

Features of jQuery:

1. **DOM Manipulation:** jQuery simplifies HTML DOM tree traversal and manipulation. You can easily select and modify elements on your web page.
2. **Event Handling:** Handling user interactions (such as clicks or mouse events) becomes straightforward with jQuery.
3. **CSS Animations:** You can create smooth animations and effects using jQuery.
4. **AJAX (Asynchronous JavaScript and XML):** jQuery simplifies making asynchronous requests to the server and handling responses.
5. **Cross-Browser Compatibility:** jQuery abstracts browser-specific inconsistencies, ensuring your code works consistently across different browsers.
6. **Community Support:** A large community of developers actively contributes to jQuery, ensuring continuous updates and improvements.
7. **Plugins:** jQuery has a wide range of plugins available for various tasks.