JavaScript course objective

JavaScript is a lightweight, interpreted programming language. It is designed for creating network-centric applications. It is complimentary to and integrated with Java. JavaScript is very easy to implement because it is integrated with HTML. It is open and cross-platform.

Audience

This tutorial has been prepared for JavaScript beginners to help them understand the basic functionality of JavaScript to build dynamic web pages and web applications.

Prerequisites

For this tutorial, it is assumed that the reader has a prior knowledge of HTML coding. It would help if the reader had some prior exposure to object-oriented programming concepts and a general idea on creating online applications.

**Learning Outcomes:**

At the completion of this course, the successful student will be able to do the following:

* What JavaScript is and where it is used
* Basic programming concepts like variables, data types and conditional statements
* Use operators, variables, arrays, control structures, functions and objects in JavaScript.
* What functions are and why they're useful
* Map HTML using the DOM - Document Object Model.
* Identify popular JavaScript Libraries.
* Create dynamic styles.
* Create animation on a web page.
* Use regular expressions for form validation.

In addition to fulfilling these objectives the successful student will complete a portfolio consisting of a demonstration website illustrating all of the above objectives.