

Javascript Course Details

Introduction

- What is JavaScript?
- Client side / server side
- ECMAScript 6 and beyond

Work Environment

- Setting up an IDE
- Online editor - Codepen, JSfiddle
- Built-in Browser tools

Welcome to Programming

- Programming logic
- Basic Syntax
- How code works
- Separating HTML from logic
- Embedding and linking code
- Making a statement

Variables

- Declaring variables
- Global and local
- Data types
- Type casting
- Console log

Document Object Model

- Application Programming Interface (API)
- Objects, Methods and Properties
- Manipulating the DOM tree
- Debugging your scripts
- Introduction to functions

Template Literals

- Integrating literals and variables
- Multi-line strings
- String Interpolation
- Embedded expressions

Working with Logic

- Conditionals and logical operators
- If, else if, else
- Ternary (conditional) operator
- Switch

Built in Methods

- String methods
- Number methods
- Doing arithmetic

Arrays

- Concept and syntax
- Adding and removing from an array
- Sorting an Array
- Select randomly from an Array

Looping

- while loop
- do . . . while loop
- for loop
- for . . . in loop
- for . . . of loop

Functions

- Custom functions
- Callbacks
- Arguments
- Parameters

Event Listeners

- Events
- Event Objects
- Named Functions
- Arrow functions
- Propagation
- Bubbling

JSON

- Fetching data from server
- Promises / await
- Displaying content page
- Looping through data
- Posting JSON to server

Storing Data

- Local storage
- Session storage

Collections

- Maps & Sets
- Building web page applications