

Core JavaScript

Cursusduur: 2 Dagen Cursuscode: JSC

Beschrijving:

Core JavaScript Course Overview

English - Please note this course is only available in English.

Nederlands - Let op: deze training is alleen in het Engels beschikbaar.

Français - Veuillez noter que ce cours est uniquement disponible en anglais.

JavaScript is one of the most popular and commonly used programming languages today. Not only is it the language of the web and front-end frameworks li

Doelgroep:

Who will the Course Benefit?

The course is aimed at those who are new or have had little exposure to JavaScript, and who will be responsible for building or maintaining JavaScript apps. It may also be of value to those who wish to refresh/renew their knowledge of JavaScript after some time away from it.

Doelstelling:

■ Course Objectives

■ This course aims to provide delegates with the skills and knowledge necessary to write basic JavaScript code that exploits variables, functions, conditional and iterative statements, and objects. Delegates should also be able to exploit their knowledge of the DOM, event handling, and Web APIs to make web pages dynamic and interactive.

Vereiste kennis en vaardigheden:

■ Delegates should have some previous programming experience or at least be familiar with programming concepts. Delegates should also be familiar with HTML and CSS. This knowledge can be gained by attendance on the pre-requisite Introduction to Programming - JavaScript and Modern, Responsive Websites with HTML & CSS courses.

Vervolg cursussen:

Further Learning

■ Intermediate JavaScript

Cursusinhoud:

Core JavaScript Training Course Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: INTRODUCTION

- Setting up the development environment
- What is JavaScript?
- HTML and CSS - a brief refresher
- Embedding JavaScript in HTML
- Executing JavaScript with NodeJS
- Browser JS vs. NodeJS
- A simple example
- Syntax and comments
- ECMAScript and JavaScript
- Deployment

Session 2: VALUES,VARIABLES AND TYPES

- Values
- Variables
- var,let,and const
- Naming conventions
- Numbers
- Strings
- Booleans
- Arrays
- Objects
- The typeof operator
- Dynamic typing
- Type conversion and coercion
- Arithmetic
- Handling text incl. template literals

Session 3: FUNCTIONS

- Function declarations
- Parameters
- Return statements
- Function expressions
- Arrow functions
- Declaration,expression,or arrow function?
- Calling functions
- Pass by value or reference?
- An introduction to scope
- Default parameters
- Built-in functions

Session 4: PROGRAM FLOW

- Relational and logical operators
- Equality comparisons and sameness
- Truthy and falsey
- Conditional statements
- Iterative statements
- Error handling
- Debugging Core JavaScript Training Course Course Contents - DAY 2

Session 5: OBJECTS

- Objects (again)
- Properties
- Dot notation
- Square bracket notation
- Function properties (methods)
- The this keyword
- Iterating over object properties
- The Object type
- Array objects and methods
- String objects and methods

Session 6: DOM REFERENCING AND MANIPULATION

- HTML elements and JavaScript objects
- The DOM
- DOM referencing
- DOM data types
- Element manipulation
- Creating,adding and removing elements

Session 7: EVENT HANDLING

- Events
- Event propagation
- Event listeners
- Event listener registration
- The event object

Session 8: WEB APIS

- What is an API?
- Browser APIs
- Accessing browser APIs
- Date
- Math
- RegExp
- JSON
- Client-side storage
- Geolocation
- Others

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

info@globalknowledge.nl

www.globalknowledge.com/nl-nl/

Iepenhoeve 5, 3438 MR Nieuwegein