

Advanced in JavaScript («ISA»)

This two-day course will deepen your knowledge of JavaScript.

Duration: 2 days

Price: 1'400.–

Course documents: Digicomp Courseware

Vendor code: ISA

Content

1. **Objectification**
 - o Terms
 - o Self-reference
 - o Constructor
 - o Static
2. **Prototypes**
3. **Pseudo classes**
4. **Class syntax**
5. **Inheritance**
6. **Standard objects**
 - o Object Object
 - o Object Global
 - o Object Array
 - o Object Function
 - o Object Boolean
 - o Object Number
 - o Object Math
 - o Object String
 - o Object RegExp
 - o Object JSON
 - o Object Date
7. **Bugs**
 - o Tyoes
 - o Fixing
 - o Object Error
8. **Debugging**
9. **Document Object Model (DOM)**
 - o Node
 - o Selection
10. **HTML-DOM-Objects**
 - o Object Document
 - o Object Element
 - o Object Attributes
 - o Object Window
 - o Object Navigator
 - o Object Screen
 - o Object Console
 - o Object Location
 - o Object History
 - o Object Style
11. **HTML-Element-Objects**
 - o Types

- Object HTMLCollection
- Input
- List
- Table

12. Single Page Application (SPA)

13. Images

- Object Canvas
- Graphics
- Animation

14. Asynchronous JavaScript and XML (AJAX)

- Principle
- Object XMLHttpRequest
- Fetch AP

Key Learnings

- Learning object-oriented concepts using typical JavaScript scripts

Target audience

This course is aimed at JavaScript developers with practical basic knowledge who want to learn the object-oriented concepts of the programming language.

Requirements

Attendance of the following course is required:

- [Introduction to JavaScript \(«ISC»\)](#)

Further courses

- [Introduction to Node.js \(«NODEJS»\)](#)
- [Introduction to jQuery \(«IJS»\)](#)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-software-engineering/programming-languages/java-javascript/course-advanced-in-javascript