2/18/2021

CS301 Reading Assignments

Reading assignments should always be done the day before the lesson. That will help you to follow and understand the lecture and then quickly move onto the lab assignment for the day more easily. You do not have to understand everything when you read it before the lecture ("prereading"). Read it easily to get the main ideas and topics to be covered. Then after the lecture you can quickly review for any points or details that were not clear.

Day 1.1 Introduction

  Chapter: An introduction

  Chapter: JavaScript Fundamentals

    sections: 1 - 4 (Hello, world!; Code structure; The modern mode, "use strict"; variables

Day 1.2 Data Types and Operators

- [Data types (javascript.info)](javascript.info)

- [Interaction: alert, prompt, confirm (javascript.info)](javascript.info)

- [Type Conversions (javascript.info)](javascript.info)

- [Basic operators, maths (javascript.info)](javascript.info)

- [Comparisons (javascript.info)](javascript.info)

- [Logical operators (javascript.info)](javascript.info)

- [Nullish coalescing operator '??' (javascript.info)](javascript.info)

- [Operator precedence - JavaScript | MDN (mozilla.org)](mozilla.org)

Day 1.3 Selection and branching

- [Conditional branching: if, '?' (javascript.info)](javascript.info)

- [The "switch" statement (javascript.info)](javascript.info)

Day 1.4 Repetition

- [Loops: while and for (javascript.info)](#)

Day 1.5 Functions

- [Functions (javascript.info)](#)

Day 1.6 Review

- [JavaScript specials](#)

Day 2.2 Function Expressions

- [Function expressions (javascript.info)](#)

- [Arrow functions, the basics (javascript.info)](#)

Day 2.3 Code Quality

- Debugging in Chrome (javascript.info)
- Coding Style (javascript.info)
- Comments (javascript.info)
- Ninja code (javascript.info)
- Automated testing with Mocha (javascript.info)

Day 2.4 Arrays

- [Arrays (javascript.info)](#)

Day 2.5 Array Methods

- [Array methods (javascript.info)](#)

Day 3.1 Objects and Strings

- [Objects (javascript.info)](#)

- [Object references and copying (javascript.info)](#)

- [Strings (javascript.info)](#)

Day 3.2 Recursion

- [Recursion and stack (javascript.info)](#)

Day 3.3 HTML and DOM

- [Introduction to HTML (w3schools.com)](#)

- [HTML Basic (w3schools.com)](w3schools.com)

- [HTML Elements (w3schools.com)](w3schools.com)

- [HTML Attributes (w3schools.com)](w3schools.com)

- [HTML Headings (w3schools.com)](w3schools.com)

- [HTML Paragraphs (w3schools.com)](w3schools.com)

Day 3.4 CSS

- https://www.w3schools.com/css/ (reference, consult as time permits)

Day 3.5 Event Handling

Introduction to browser events

- Event handlers
- Accessing the element: this
- Possible mistakes