LUX TECH ACADEMY

presents

#100 DAYS OF CODE

#BECOME JAVASCRIPTUAL

MAKE CODING A HABIT

STARTS ON 10TH JULY

WWW.LUXTECHACADEMY.COM

JavaScript is the most important programming language you need to learn as a web developer , especially as a Frontend Software Engineer. We will make sure that you will not miss a single thing you have to know as a JavaScript developer!

This a huge course because it's packed with important knowledge and helpful content. From the core basics, over advanced concepts and JavaScript specialties, all the way up to expert topics like performance optimization and testing - this course has it   all. My goal was to create your go-to resource for the JavaScript language, which you can not just use for learning it but also as a resource you can come back to and look up important topics.

What are the course prerequisites?

• NO JavaScript knowledge is required - you'll learn it from scratch!
• You also need NO programming experience other than basic web development knowledge (e.g. how the web works)
• Basic HTML and CSS knowledge is recommended but not a must-have

HTML and CSS Resources: @ *https://developer.mozilla.org/en-US/docs/Web*

Course Content.

10th Friday July 2020   Day: 1/100

•What is JavaScript
•Install a JavaScript Code Editor
•Meet the Console Tab of Devtools
•JavaScript Hello World
•Syntax
•Variables
•Data Types

13ᵗʰ   Monday July 2020.   **Day: 2/100**

•Assignment Operators

•Unary Operators

•Logical Operators

•Comparison Operators

14ᵗʰ Tuesday July 2020.   **Day: 3/100**

• Control flow and error handling:
    - if … else
    - switch
    - try/catch/throw
    - error objects

15ᵗʰ Wednesday July 2020   **Day: 4/100**

• loops and iteration
    - for
    - while
    - do … while
    - break/continue
    - for … in
    - for … of

16ᵗʰ Thursday July 2020   Day: 5/100

- Code Quality:

        - Debugging in chrome
        - Best JavaScript coding styles
        - Comments
        - Automated testing with Mocha
- Introduction to linter

17ᵗʰ Friday July 2020   Day: 6/100

First assessment:

The test will contain 4 Beginner Modern JavaScript interview questions.

The test should be submitted by 19ᵗʰ Sunday 12:00Am.

Any body who submits will be awarded 0.00 marks.

20th Monday July 2020   Day: 7/100

- JavaScript Strings
- String Type
- Concatenating Strings: concat()
- Splitting a String into Substrings: split()
- Locating a Substring Forward: indexOf()
- Locating a Substring Backward: lastIndexOf()
- Extracting a Substring from a String: substring()
- Removing Whitespaces from Both Ends: trim()
- Extracting a part of a String: slice()

21st Tuesday July 2020   Day: 8/100

- JavaScript Arrays
- Stack
- Queue
- Manipulate Elements :splice()
- Sort Elements: sort()
- Locate Elements: indexOf()
- Check if Every Element passes a condition: every()
- Check if At least one element passes a Test: some()
- Filter an Array: filter()
- Reduce an array into a value: reduce()
- Transform Array Elements:map()
- Loops Through Array: forEach()
- Multidimensional Array

22ʳᵈ Wednesday July 2020   Day: 9/100

•Functions

•Anonymous Functions

•IIFE

•Callback Functions

23ʳᵈ Thursday July 2020   Day: 10/100

•JavaScript Objects

•Object Properties

•Prototype

•Object Creation Patterns

•Prototypal Inheritance

•this Keyword

•for…in Loop

24ᵗʰ Friday July 2020   Day: 11/100

Second assessment:

The test will contain 4 Intermediate Modern JavaScript interview questions.

The test should be submitted by 25ᵗʰ Sunday 12:00Am .

Any body who submits will be awarded 0.00 marks.