Twitter Thread by George Moller

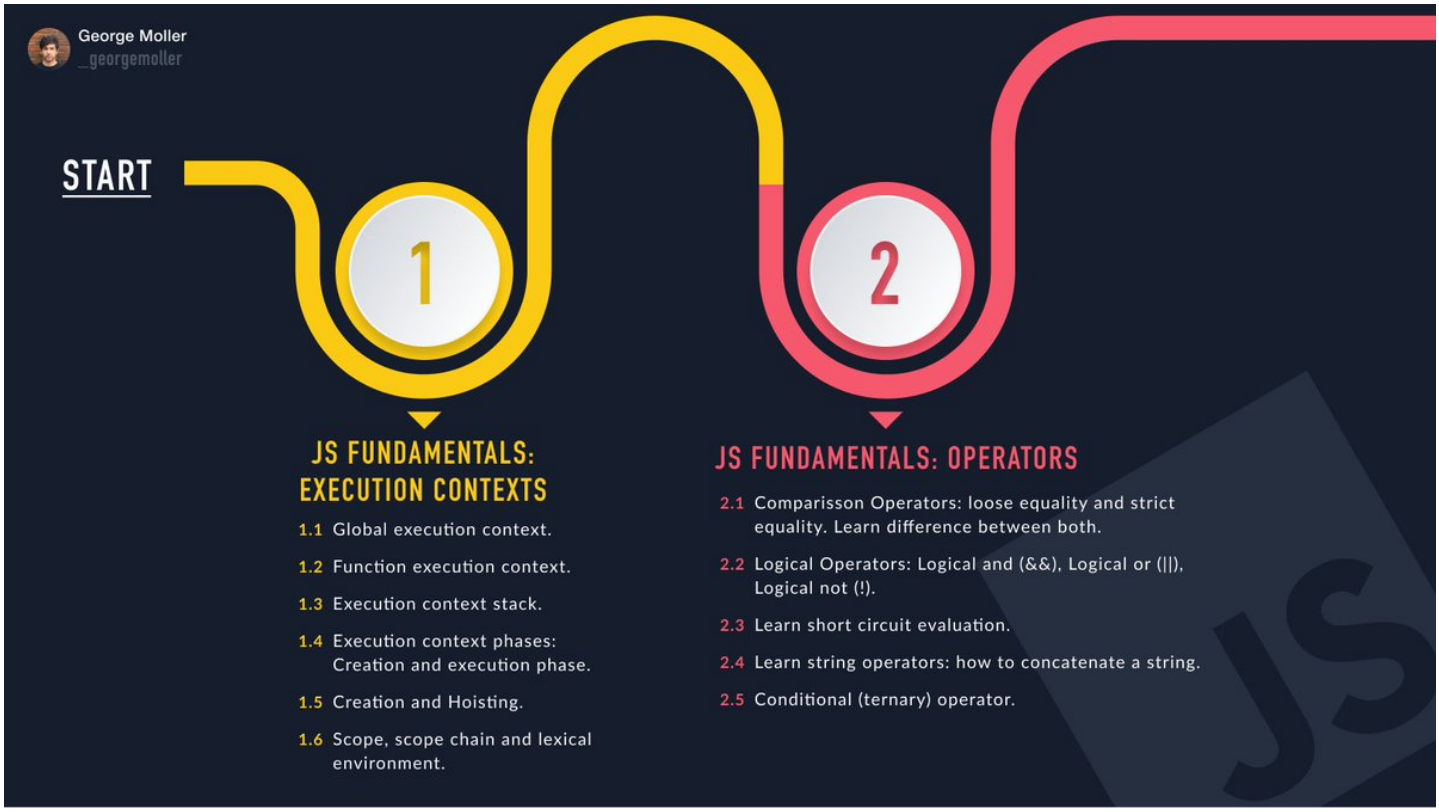
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■ 2021 JavaScript developer roadmap

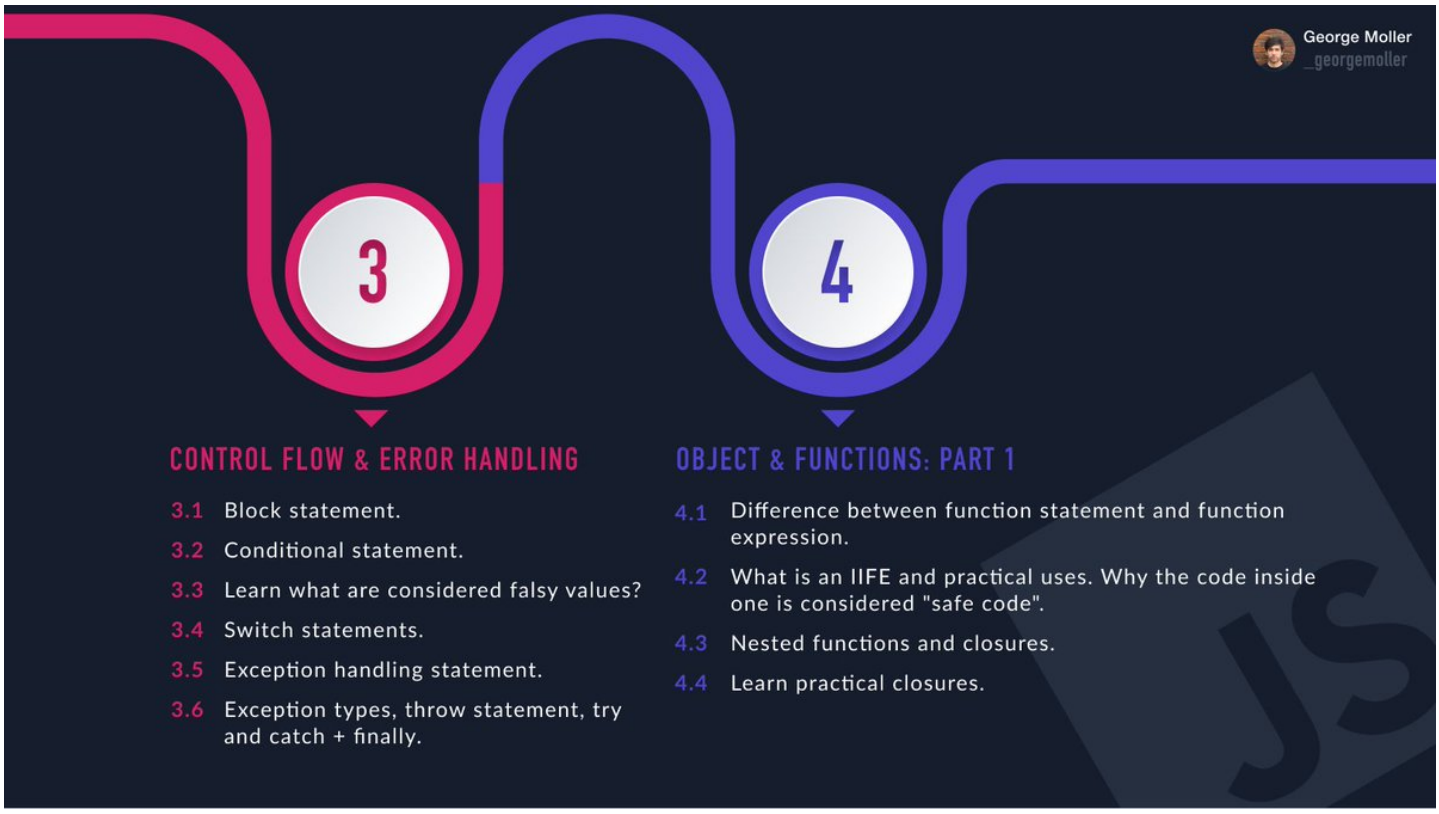
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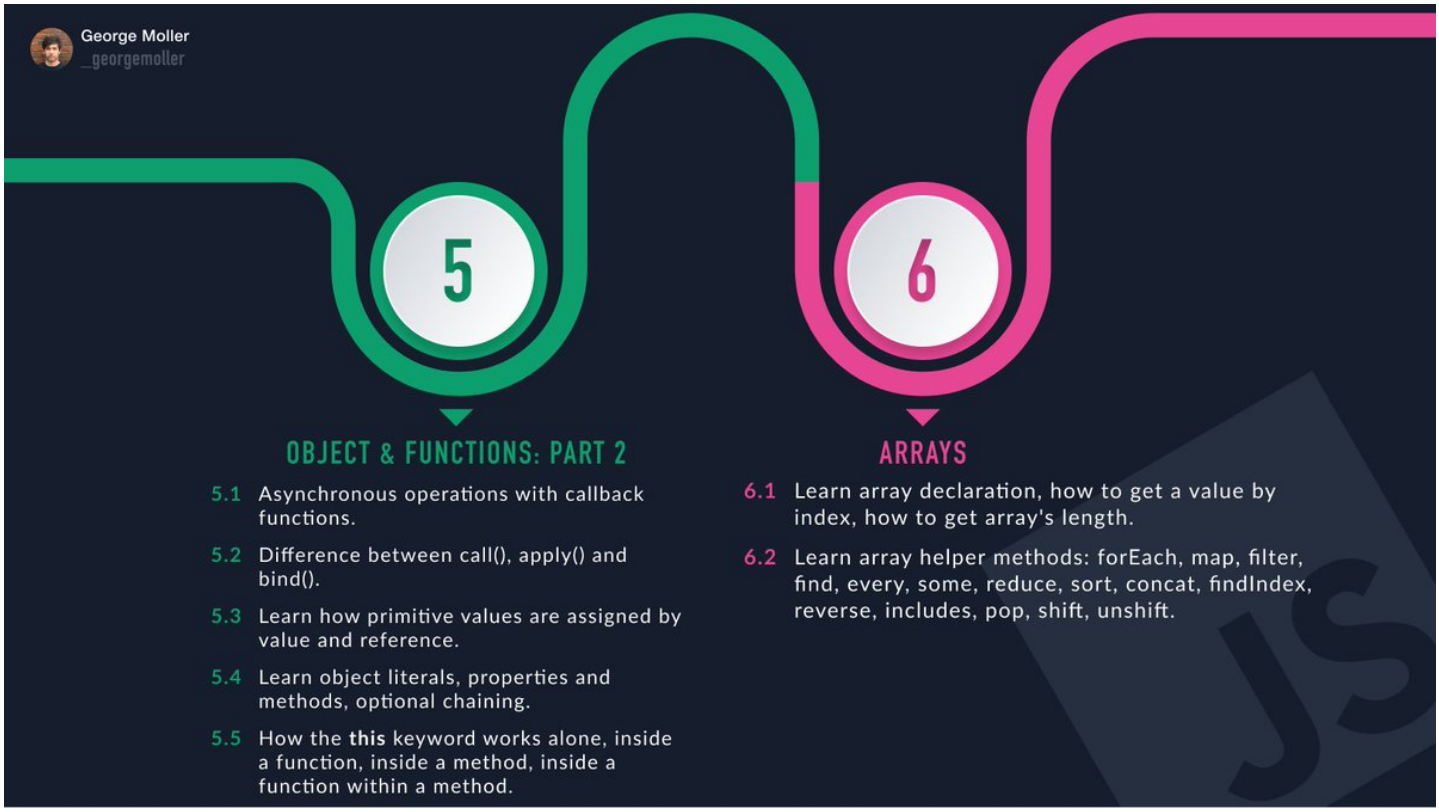
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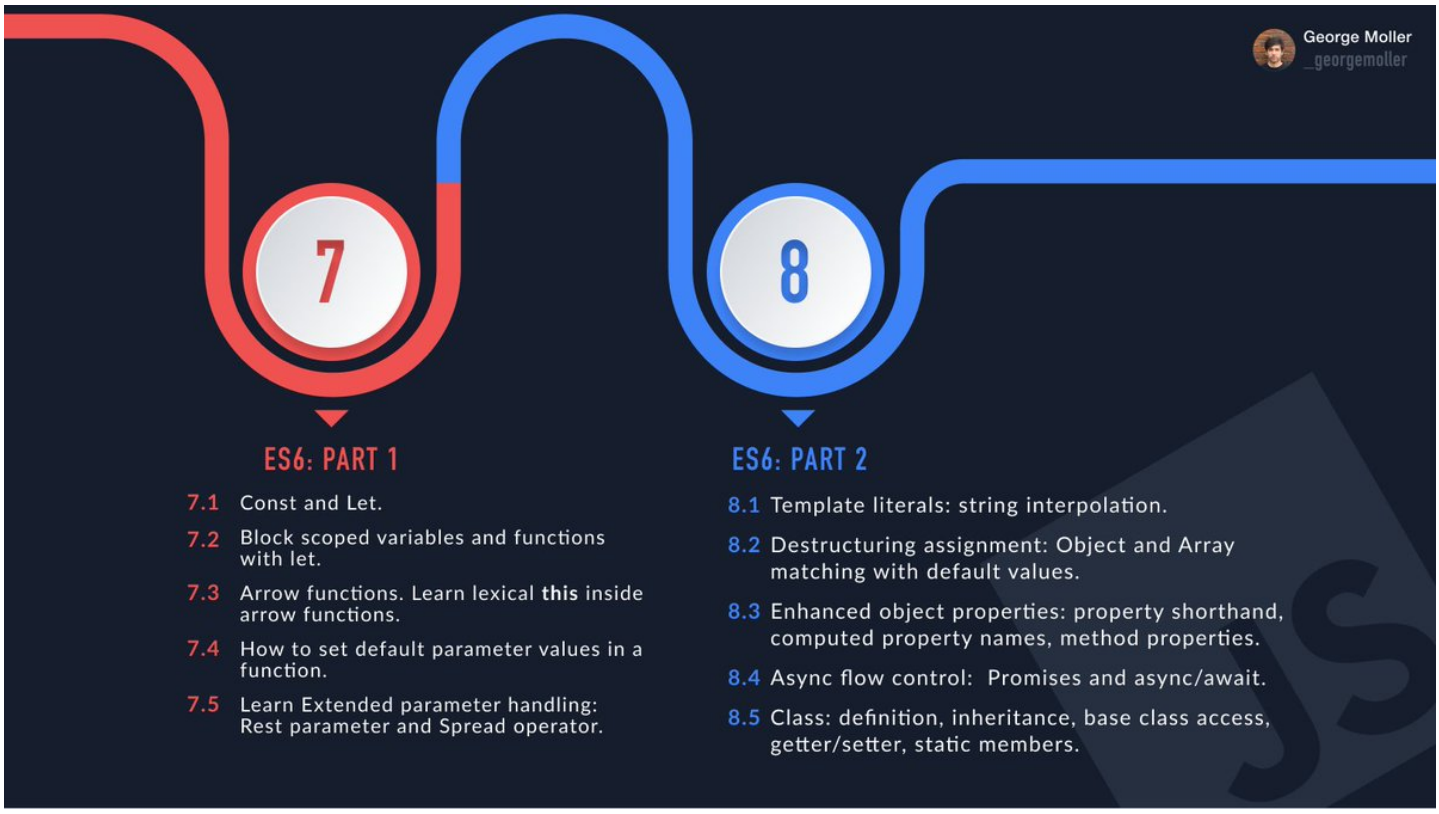

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START
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JS FUNDAMENTALS: EXECUTION CONTEXTS
1.1 Global execution context.
1.2 Function execution context.
1.3 Execution context stack.
1.4 Execution context phases: Creation and execution phase.
1.5 Creation and Hoisting.
1.6 Scope, scope chain and lexical environment.
JS FUNDAMENTALS: OPERATORS
2.1 Comparisson Operators: loose equality and strict equality. Learn difference between both.
2.2 Logical Operators: Logical and (&&), Logical or (||), Logical not (!).
2.3 Learn short circuit evaluation.
2.4 Learn string operators: how to concatenate a string.
2.5 Conditional (ternary) operator.

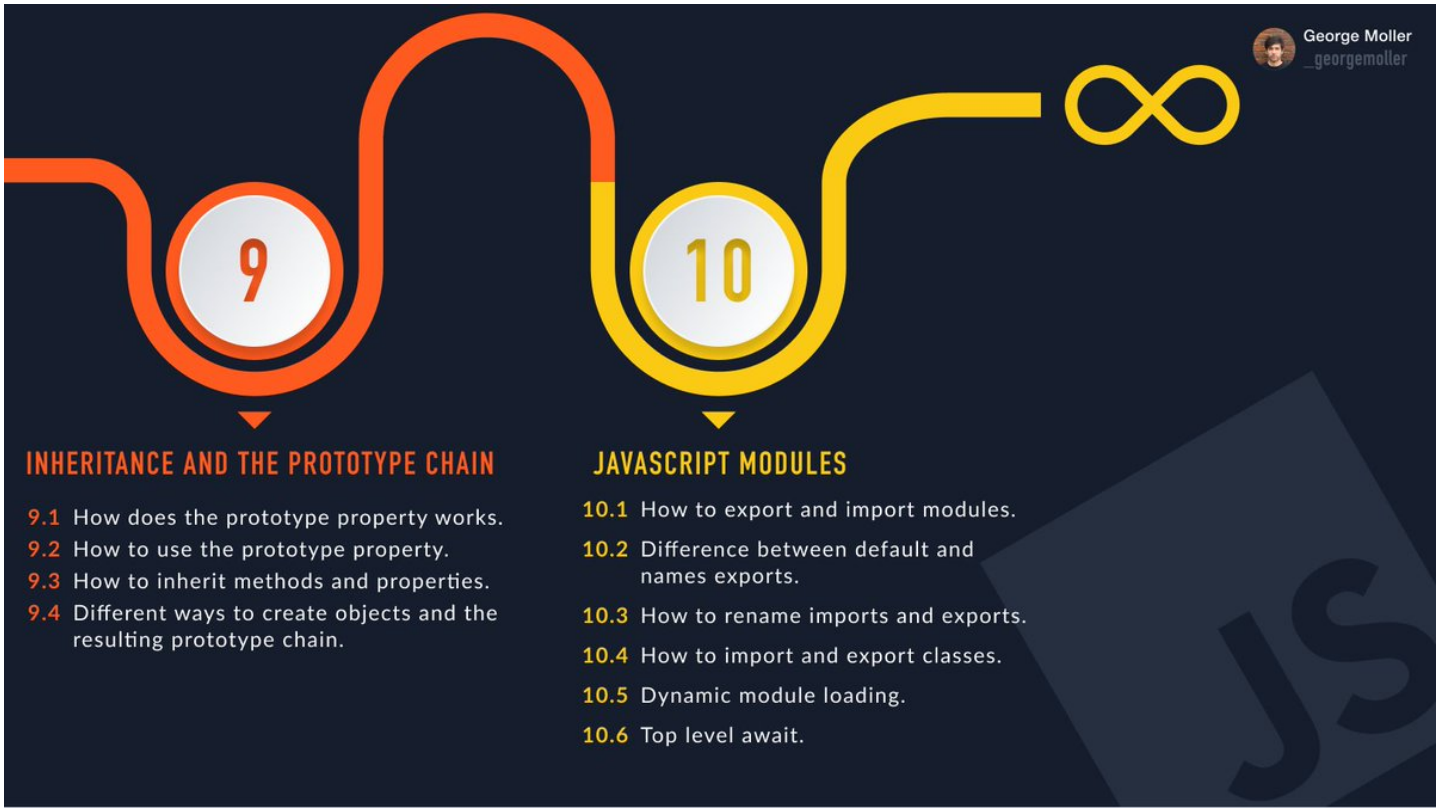
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CONTROL FLOW & ERROR HANDLING
3.1 Block statement.
3.2 Conditional statement.
3.3 Learn what are considered falsy values?
3.4 Switch statements.
3.5 Exception handling statement.
3.6 Exception types, throw statement, try and catch + finally.
OBJECT & FUNCTIONS: PART 1
4.1 Difference between function statement and function expression.
4.2 What is an IIFE and practical uses. Why the code inside one is considered "safe code".
4.3 Nested functions and closures.
4.4 Learn practical closures.

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OBJECT & FUNCTIONS: PART 2
5.1 Asynchronous operations with callback functions.
5.2 Difference between call(), apply() and bind().
5.3 Learn how primitive values are assigned by value and reference.
5.4 Learn object literals, properties and methods, optional chaining.
5.5 How the this keyword works alone, inside a function, inside a method, inside a function within a method.
ARRAYS
6.1 Learn array declaration, how to get a value by index, how to get array's length.
6.2 Learn array helper methods: forEach, map, filter, find, every, some, reduce, sort, concat, findIndex, reverse, includes, pop, shift, unshift.


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ES6: PART 1
7.1 Const and Let.
7.2 Block scoped variables and functions with let.
7.3 Arrow functions. Learn lexical this inside arrow functions.
7.4 How to set default parameter values in a function.
7.5 Learn Extended parameter handling: Rest parameter and Spread operator.
ES6: PART 2
8.1 Template literals: string interpolation.
8.2 Destructuring assignment: Object and Array matching with default values.
8.3 Enhanced object properties: property shorthand, computed property names, method properties.
8.4 Async flow control: Promises and async/await.
8.5 Class: definition, inheritance, base class access, getter/setter, static members.


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INHERITANCE AND THE PROTOTYPE CHAIN
9.1 How does the prototype property works.
9.2 How to use the prototype property.
9.3 How to inherit methods and properties.
9.4 Different ways to create objects and the resulting prototype chain.
JAVASCRIPT MODULES
10.1 How to export and import modules.
10.2 Difference between default and names exports.
10.3 How to rename imports and exports.
10.4 How to import and export classes.
10.5 Dynamic module loading.
10.6 Top level await.
JS


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