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 kurtr Rephrased questions in javascript-questions.md to add context (#512)

c067a6c on Feb 22

3 contributors 

59 lines (56 sloc) 3.43 KB

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History



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JavaScript Questions	layouts/page.njk	/questions/javascript-questions/index.html

- Explain event delegation.
- Explain how `this` works in JavaScript.
 - Can you give an example of one of the ways that working with `this` has changed in ES6?
- Explain how prototypal inheritance works.
- What's the difference between a variable that is: `null` , `undefined` or undeclared?
 - How would you go about checking for any of these states?
- What is a closure, and how/why would you use one?
- What language constructions do you use for iterating over object properties and array items?
- Can you describe the main difference between the `Array.forEach()` loop and `Array.map()` methods and why you would pick one versus the other?
- What's a typical use case for anonymous functions?
- What's the difference between host objects and native objects?
- Explain the difference between: `function Person(){} , var person = Person() , and var person = new Person() ?`
- Explain the differences on the usage of `foo` between `function foo() {}` and `var foo = function() {}`
- Can you explain what `Function.call` and `Function.apply` do? What's the notable difference between the two?
- Explain `Function.prototype.bind` .
- What's the difference between feature detection, feature inference, and using the UA string?
- Explain "hoisting".
- Describe event bubbling.
- Describe event capturing.
- What's the difference between an "attribute" and a "property"?
- What are the pros and cons of extending built-in JavaScript objects?
- What is the difference between `==` and `===` ?
- Explain the same-origin policy with regards to JavaScript.
- Why is it called a Ternary operator, what does the word "Ternary" indicate?
- What is strict mode? What are some of the advantages/disadvantages of using it?
- What are some of the advantages/disadvantages of writing JavaScript code in a language that compiles to JavaScript?
- What tools and techniques do you use debugging JavaScript code?
- Explain the difference between mutable and immutable objects.
 - What is an example of an immutable object in JavaScript?
 - What are the pros and cons of immutability?
 - How can you achieve immutability in your own code?
- Explain the difference between synchronous and asynchronous functions.

- What is event loop?
 - What is the difference between call stack and task queue?
- What are the differences between variables created using `let` , `var` or `const` ?
- What are the differences between ES6 class and ES5 function constructors?
- Can you offer a use case for the new arrow `=>` function syntax? How does this new syntax differ from other functions?
- What advantage is there for using the arrow syntax for a method in a constructor?
- What is the definition of a higher-order function?
- Can you give an example for destructuring an object or an array?
- Can you give an example of generating a string with ES6 Template Literals?
- Can you give an example of a curry function and why this syntax offers an advantage?
- What are the benefits of using `spread` syntax and how is it different from `rest` syntax ?
- How can you share code between files?
- Why you might want to create static class members?

Coding questions

- Make this work:

```
duplicate([1,2,3,4,5]); // [1,2,3,4,5,1,2,3,4,5]
```

- Create a for loop that iterates up to `100` while outputting **"fizz"** at multiples of `3` , **"buzz"** at multiples of `5` and **"fizzbuzz"** at multiples of `3` and `5`