



ES5 & ES6 Concepts - Quiz

Below is a scored review of your assessment. All questions are shown.



Correct Answer



Partially Correct



Incorrect Answer

1 What is the main benefit of using modules in JavaScript?

Your Answer Encourages code reusability

Correct Answer Encourages code reusability

Justification

Modules are a way of organizing and separating code into reusable, independent, and self-contained units. They provide a mechanism for encapsulating code and preventing conflicts between different parts of an application. By using modules, developers can improve the maintainability, reusability, and scalability of their code. Modules can be created and imported in JavaScript using different formats, such as CommonJS, AMD, and ES6 Modules.

2 What is the difference between WeakMap and Map objects?

Your Answer WeakMap objects are weakly held, Map objects are strongly held

Correct Answer WeakMap objects are weakly held, Map objects are strongly held

Justification

The main difference between WeakMap and Map objects in JavaScript is the way they handle references to key objects. In a Map object, the keys are strongly held, which means that they are not automatically removed when their corresponding values are removed. In contrast, WeakMap objects hold weak references to the keys, which means that they are automatically removed when the key objects are no longer reachable in memory

3 What is a new feature introduced in ES6?

Your Answer All of the above

Correct Answer All of the above

Justification

All of the options mentioned in the question (a), (b), and (c) are new features that were introduced in ES6 (ECMAScript 6).

4

Guess which one of array methods can help shorten this code?

```
var arr = [12, 5, 42, 55, 10];  
function do_something(arr) {  
  return arr.find(n => n > 32);  
}
```

Your Answer

arr.find(n => n>32)

Correct Answer

arr.find(n => n>32)

Justification

arr.find(n => n>32) can help shorten the given code. The find() method is a new array method introduced in ES6 that returns the value of the first element in an array that satisfies a provided testing function. In this case, the testing function is a simple arrow function that checks if the current element of the array is greater than 32.

5 What is a new way to handle asynchronous programming in ES6?

Your Answer Promises

Correct Answer Promises

Justification

ES6 introduced Promises, which are a powerful tool for handling asynchronous programming. A Promise is an object that represents a value that might not be available yet, but will be at some point in the future. With Promises, you can write asynchronous code that is more readable and easier to reason about.

6 What is ES Modules in JavaScript?

Your Answer . A standard for working with modules in the browser

Correct Answer A standard for working with modules in ECMAScript

Justification

A. ES Modules (or ES6 Modules) is a standard for working with modules in ECMAScript (JavaScript). It is a way to organize code into small, reusable pieces, with each piece having its own scope and dependencies. ES Modules support importing and exporting of functions, objects, or values between different JavaScript files, making it easier to create modular and maintainable code. ES Modules are supported in modern web browsers, as well as in Node.js.

7 What is a new way to declare variables in ES6?

Your Answer

Both 2 and 3

Correct Answer

Both 2 and 3

Justification

ES6 introduced two new ways to declare variables: const and let.

8 Which feature allows for easier string concatenation in ES6?

Your Answer

Template Literals

Correct Answer

Template Literals

Justification

Template Literals is a feature introduced in ES6 that allows for easier string concatenation. Template literals are enclosed in backticks (``) and allow for embedding of expressions using \${ } notation within the string.

9 What is a new way to assign values to multiple variables at once in ES6?

Your Answer Destructuring assignment

Correct Answer Destructuring assignment

Justification

ES6 introduced the destructuring assignment, which is a shorthand syntax for assigning values from an object or array to variables. This syntax allows us to extract individual values from an object or array and assign them to variables, all in one step.

10

```
let x = 150  
if(x>100){  
  let x = 1  
}  
console.log(x)
```

Your Answer

Variables defined with let are available only in the nearest enclosing block.

Correct Answer

Variables defined with let are available only in the nearest enclosing block.

Justification

The let keyword introduces block scoping, which means that variables declared with let are only available within the nearest enclosing block. let variables are only available within the block scope in which they are declared. Any attempt to access them outside of that block scope will result in an error.

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Summary

I'm done.

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