



Mid Course Quiz Assessment - Introduction to Computer Programming

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



Correct Answer



Partially Correct



Incorrect Answer

**81**

Which of the following methods is used to return the index of the first element in an array that satisfies a condition specified by a callback function?

**Your Answer**                      find()

**Correct Answer**                      find()

### Explanation

The find() method is used to return the index of the first element in an array that satisfies a condition specified by a callback function.

## 82 What is Node.js primarily used for?

**Your Answer** Server-side scripting

**Correct Answer** Server-side scripting

### Explanation

You are Correct !! Node.js is primarily used for server-side scripting and building web applications. It provides a runtime environment for executing JavaScript code on the server-side, allowing developers to use JavaScript for both client-side and server-side development.

**83**

Which of the following programming paradigms is most suitable for developing user interfaces and interactive applications?

**Your Answer**

Event Driven Programming

**Correct Answer**

Event Driven Programming

### Explanation

You are Correct !! Event-driven programming is a programming paradigm that is particularly well-suited for developing user interfaces and interactive applications. This is because in event-driven programming, the program responds to events such as mouse clicks and key presses, rather than executing a sequence of instructions in a predetermined order.

## 84 Which of the following operators performs exponentiation in JavaScript?

Your Answer      \*\*

Correct Answer      \*\*

### Explanation

You are Correct !! In JavaScript, the \*\* operator performs exponentiation on numerical operands. For example,  $2 ** 3$  equals 8. The ^ operator performs bitwise XOR, the // operator performs integer division, and the % operator performs modulus.

**85**

How can you create a new JavaScript project using npm?

**Your Answer**

npm init

**Correct Answer**

npm init

### Explanation

You are Correct !! The command used to create a new JavaScript project with npm is npm init. This command initializes a new npm package and creates a package.json file in the current directory.

**86**

What is a best practice for implementing client-side rendering in JavaScript?

**Your Answer**

Keep JavaScript code separate from HTML markup

**Correct Answer**

Keep JavaScript code separate from HTML markup

### Explanation

You are Correct !! A best practice for implementing client-side rendering in JavaScript is to keep the JavaScript code separate from the HTML markup using a modular architecture, such as the Model-View-Controller (MVC) pattern. This can make the code easier to maintain and scale.

## 87 What is the purpose of using helper functions in JavaScript?

**Your Answer** All of the above.

**Correct Answer** All of the above.

### Explanation

Helper functions are small, specialized functions that are used within larger functions to accomplish specific tasks. They make functions easier to understand and debug, reduce the amount of code needed to accomplish a task, and encapsulate complex logic into smaller, more manageable functions. Therefore, option d is correct.



**88**

Which of the following is NOT a primitive data type in JavaScript?

**Your Answer**                      array

**Correct Answer**                      array

### Explanation

You are Correct !! Arrays are not a data type in JavaScript, but rather an object used to store a collection of values.

89

What will be the output of the following code snippet?

```
function sumOfNaturals(n) {  
  let sum = 0;  
  for (let i = 1; i <= n; i++) {  
    sum += i;  
  }  
  return sum;  
}  
console.log(sumOfNaturals(10))
```

Your Answer 55

Correct Answer 55

### Explanation

None.

90

What is the output of the following code?

```
let person = {  
  name: "John",  
  age: 30,  
  greet: function() {  
    console.log(`Hello, my name is ${this.name} and I am ${this.age} years old.`);  
  }  
};  
person.greet.call({name: "Jane", age: 25});
```

**Your Answer**

Hello, my name is Jane and I am 25 years old.

**Correct Answer**

Hello, my name is Jane and I am 25 years old.

## Explanation

The `call()` method is used to call a function with a specified `this` value and arguments provided individually. In this case, we call the `greet()` method of the `person` object with a new `this` value that has a `"name"` property of `"Jane"` and an `"age"` property of `25`. Therefore, it logs `"Hello, my name is Jane and I am 25 years old."`

Summary

Prev Page

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