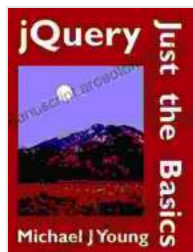


Just The Basics Primer For The Javascript Programmer



jQuery: Just the Basics - A Primer for the JavaScript Programmer by Chris Smith

★★★★☆ 4 out of 5

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JavaScript is a powerful programming language that is used to create interactive web pages. It is the most popular programming language in the world, and it is used by millions of websites.

If you are new to programming, JavaScript is a great place to start. It is a relatively easy language to learn, and there are many resources available to help you get started.

In this article, we will cover the basics of JavaScript. We will discuss the following topics:

* What is JavaScript? * How does JavaScript work? * The different types of JavaScript data types * The different ways to use JavaScript variables * The different ways to use JavaScript operators * The different ways to use

JavaScript control structures * The different ways to use JavaScript functions * The different ways to use JavaScript objects * The different ways to use JavaScript arrays * The different ways to use JavaScript events

By the end of this article, you will have a solid understanding of the basics of JavaScript. You will be able to use JavaScript to create simple web pages and applications.

What is JavaScript?

JavaScript is a scripting language that is used to create interactive web pages. It is a client-side language, which means that it runs in the user's web browser.

JavaScript is used to add functionality to web pages. It can be used to create things like:

* Forms * Menus * Animations * Games * Interactive maps

JavaScript is a very versatile language. It can be used to create a wide variety of web applications.

How does JavaScript work?

JavaScript is interpreted by the web browser. When a web page is loaded, the web browser reads the JavaScript code and executes it.

JavaScript code is typically written in a file with a .js extension. This file is then included in the web page using a script tag.

Here is an example of a simple JavaScript program:

```
console.log("Hello, world!");
```

This program will print the message "Hello, world!" to the console.

The different types of JavaScript data types

JavaScript has seven primitive data types:

* Number * String * Boolean * Null * Undefined * Symbol * BigInt

In addition to these primitive data types, JavaScript also has a number of complex data types, such as:

* Objects * Arrays * Functions

The different ways to use JavaScript variables

Variables are used to store data in JavaScript. You can declare a variable using the var keyword.

Here is an example of how to declare a variable:

```
var name ="John Doe";
```

This will create a variable called name and assign it the value "John Doe".

You can access the value of a variable using the dot operator.

Here is an example of how to access the value of a variable:

```
console.log(name); // "John Doe"
```

You can also use variables to store the results of calculations.

Here is an example of how to use a variable to store the result of a calculation:

```
var sum = 1 + 2; console.log(sum); // 3
```

The different ways to use JavaScript operators

Operators are used to perform operations on data. JavaScript has a variety of operators, including:

- * Arithmetic operators
- * Comparison operators
- * Logical operators
- * Assignment operators

Here is a table of the different types of operators in JavaScript:

| Operator | Description |
|----------|--------------------------|
| + | Addition |
| - | Subtraction |
| * | Multiplication |
| / | Division |
| % | Remainder |
| == | Equality |
| != | Inequality |
| > | Greater than |
| ≥ | Greater than or equal to |

The different ways to use JavaScript control structures

Control structures are used to control the flow of execution in a JavaScript program. JavaScript has a variety of control structures, including:

- * If statements
- * Else statements
- * Switch statements
- * For loops
- * While loops
- * Do...while loops

Here is a table of the different types of control structures in JavaScript:

| Control Structure | Description | |---|---| | If statement | Executes code if a condition is true | | Else statement | Executes code if a condition is false | | Switch statement | Executes code based on the value of a variable | | For loop | Executes code a specified number of times | | While loop | Executes code while a condition is true | | Do...while loop | Executes code at least once, and then executes it while a condition is true |

The different ways to use JavaScript functions

Functions are used to group code together and perform specific tasks. You can declare a function using the function keyword.

Here is an example of how to declare a function:

```
function sayHello(){console.log("Hello, world!"); }
```

This will create a function called sayHello() that prints the message "Hello, world!" to the console.

You can call a function by using its name followed by parentheses.

Here is an example of how to call a function:

```
sayHello(); // Hello, world!
```

You can also pass arguments to functions. Arguments are data that is passed into a function.

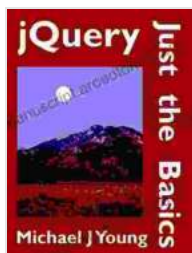
Here is an example of how to pass an argument to a function:

```
function sayHello(name){console.log("Hello, " + name + "!"); }
```

```
sayHello("John Doe"); // Hello, John Doe!
```

The different ways to use JavaScript objects

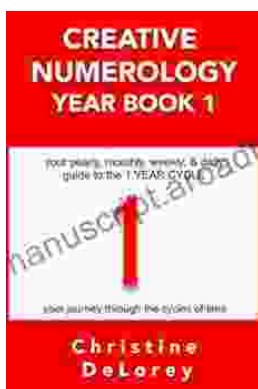
Objects



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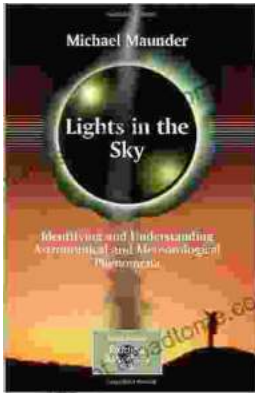
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