Mindluster Platform

# About the course Asynchronous JavaScript

What is asynchronous in JavaScript? JavaScript is a single-threaded programming language which means only one thing can happen at a time. ... That's where asynchronous JavaScript comes into play. Using asynchronous JavaScript (such as callbacks, promises, and async/await), you can perform long network requests without blocking the main thread.What is synchronous and asynchronous in JavaScript? Synchronous operations in JavaScript entails having each step of an operation waits for the previous step to execute completely. This means no matter how long a previous process takes, subsquent process won't kick off until the former is completed. Asynchronous operations, on the other hand, defers operations.Is JavaScript asynchronous programming? Introduction To Asynchronous Programming in JavaScript This behaviour is being described by term asynchronous programming. Because JavaScript is executed in that non-blocking way you have to take additional measures to deal with that code if you need to have the result available before further code is being executed.How does JavaScript asynchronous processing work? An async function can contain an await expression, that pauses the execution of the function and waits for the passed Promise's resolution, and then resumes the async function's execution and returns the resolved value. You can think of a Promise in JavaScript as the equivalent of Java's Future or C# 's Task.Is JavaScript asynchronous by default? JavaScript is synchronous by default and is single threaded. This means that code cannot create new threads and it will execute your code block by order after hoisting. Lines of code are executed in series, one after another.

**Programming Category's Courses**

# Course Lesson(11)


Lesson 1 : **Asynchronous JavaScript Tutorial 1 What is Async JavaScript**

Lesson 2 : **Asynchronous JavaScript Tutorial 2 HTTP Requests**

Lesson 3 : **Asynchronous JavaScript Tutorial 3 Status Codes**

Lesson 4 : **Asynchronous JavaScript Tutorial 4 Callback Functions**

Lesson 5 : **Asynchronous JavaScript Tutorial 5 Using JSON Data**

Lesson 6 : **Asynchronous JavaScript Tutorial 6 Callback Hell**

Lesson 7 : **Asynchronous JavaScript Tutorial 7 Promises**

Lesson 8 : **Asynchronous JavaScript Tutorial 8 Chaining Promises**

Lesson 9 : **Asynchronous JavaScript Tutorial 9 The Fetch API**

Lesson 10 : **Asynchronous JavaScript Tutorial 10 Async Await**

Lesson 11 : **Asynchronous JavaScript Tutorial 11 Throwing Errors**


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