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  To Understand Ajax, Fetch, Promises

  Asynchronous vs Synchronous Programming

  - Meaning

  Synchronous

  - Operations Runs in Sequence

  - Each Operation Must Wait For The Previous One To Complete

  - Story From Real life

  Asynchronous

  - Opertaions Runs In Parallel

  - This Means That An Operation Can Occur While Another One Is still Being processed

  - Story From Real Life

  - Facebook As Example

  - Simulation

  Search

  - JavaScript is a single-Threaded

  - Multi Threaded Languages

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// Synchronous // it will display 1 2 then alert you and when u press ok it will display 3

// console.log("1");

// console.log("2");

// window.alert("Operation");

// console.log("3");

// Asynchronous // it will display the 3 numbers anyways and alert in 4 seconds

console.log("1");

console.log("2");

setTimeout(() => console.log("Operation"), 4000);

console.log("3");