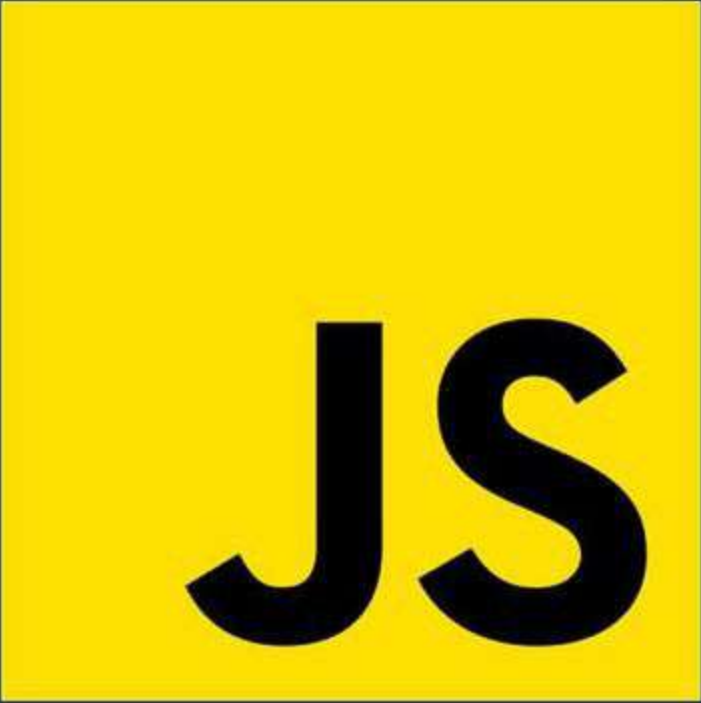




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Async Await in JavaScript

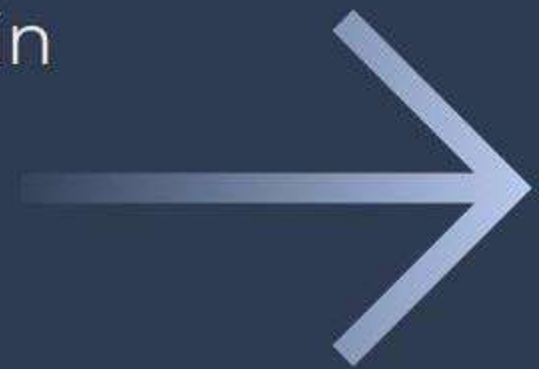
A large yellow square containing the letters 'JS' in a bold, black, sans-serif font, representing the JavaScript logo.

JS

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What is async/await?

async/await are two keywords, **Async** and **Await** which are used for asynchronous programming in JavaScript.



Rather than having too many nested functions, they keep the code neat and clean, which is why many developers usually recommend it.



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Async Function

An async function is a function that is written by using the **async** keyword. It is what makes the function asynchronous.

The **async** makes the function returns a **Promise**.



```
async function f() {  
  return 1;  
}  
  
f().then(alert); // 1
```



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Await Function

The keyword **await** is used inside the function and it makes JavaScript wait until that promise is settled and return the result.

It can't be used in regular functions (a function without **async** keyword)



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An Example

Here's an example of how to use `async/await` to make an API call.

```
async function getTodo() {  
  try {  
    // Waits for the response  
    const response = await fetch('https://jsonplaceholder.typicode.com/todos/1');  
    const post = await response.json();  
  
    return post;  
  } catch (error) {  
    return error;  
  }  
}  
  
// You must used "await" when calling the function  
console.log(await getTodo());
```



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