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Can You Answer This Senior Level JavaScript Promise Interview Question?

Most interviewees failed on it.

Shuai Li · Follow

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What is the output of the following code?

```javascript
const promise = new Promise((resolve, reject) => {
  console.log(1);
  setTimeout(() => {
    console.log("timerStart");
    resolve("success");
    console.log("timerEnd");
  }, 0);
  console.log(2);
});

promise.then((res) => {
  console.log(res);
});

console.log(4);
```

Top highlight

Analysis

It's not a friendly question for junior JS coders.

The core feature of JavaScript is asynchronous programming. The interpreter always executes synchronous code first and then asynchronous code.

For example, in this code:

```javascript
console.log('start');

const promise1 = new Promise((resolve, reject) => {
  console.log(1)
  resolve(2)
})
promise1.then(res => {
  console.log(res)
})
console.log('end');
```

`promise1.then()` is an asynchronous function call.

```
console.log('start');

const promise1 = new Promise((resolve, reject) => {
    console.log(1)
    resolve(2)
})

promise1.then(res => {
    console.log(res)
})

console.log('end');
```

```
start

1

end

2
```

So the output is `start` , `1` , `end` and `2` .

But in JavaScript, asynchronous tasks are also divided into micro tasks and macro tasks.

We generally divide vehicles into two categories:

• General vehicles

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```
sys.getsizeof([0] * 3)      ⟶  80
sys.getsizeof([0, 0, 0])    ⟶  120
sys.getsizeof([0 for i in range(3)])  ⟶  88
```

Maximum Length of An Array

```
> new Array(2**32)
⊗ ▸ Uncaught
    RangeError: Invalid array length
    at <anonymous>:1:1
```

in Nodejs

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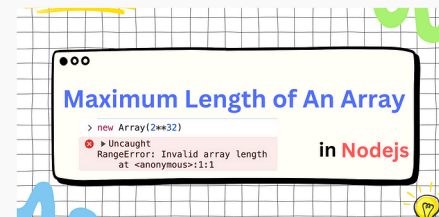
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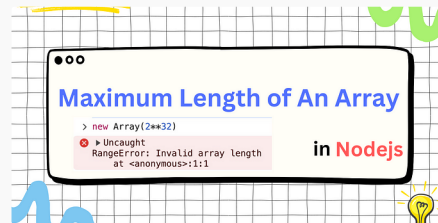
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Andrew Zuo

Async Await Is The Worst Thing To Happen To Programming

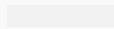I recently saw this meme about async and await.

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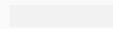Get Your PRs Merged Faster! Lessons Learned from Reviewing 1,000+ PRs!

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Tom Smykowski

☀️ Stop Using Margin Top. Use Margin Bottom And Gap Instead

Let's just collectively forget about margin-top please 🙏

✦ 6d ago

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