

Promises

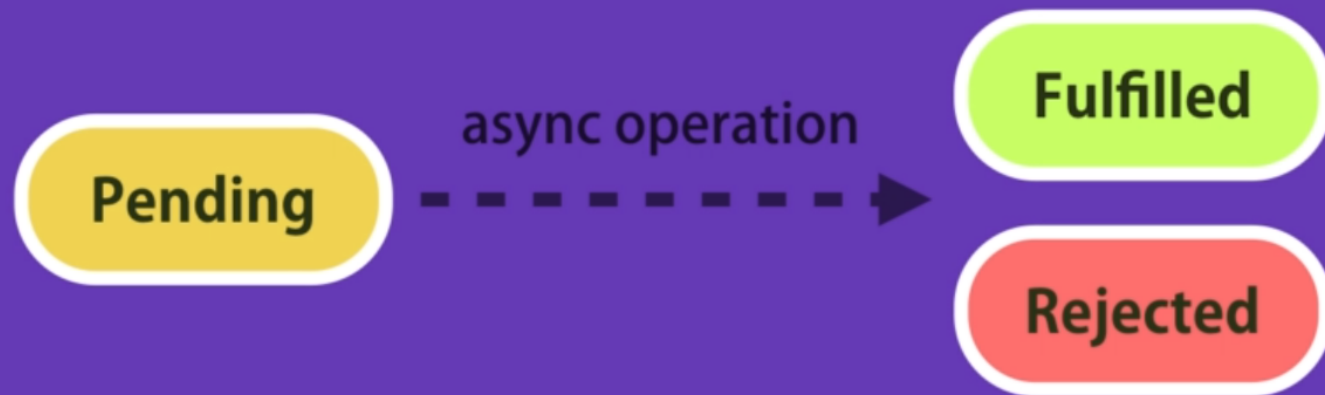


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PROMISE

Holds the eventual result
of an asynchronous operation

PROMISE



EXPLORER

01. Synchronous Vs Asynchronous Code

```
} package.json
```

[i README.md](#)

08. Consuming Promises

➤ 10. Running Parallel Promises

> 12. Exercise

 > **OUTLINE**

🔗 master* ↺ 0 0 ✓ javascript | ✓ promise.js

06. Promises > async-demo > JS promise.js > ...

```
1 const p = new Promise((resolve, reject) => {
2     // Kick off some async work
3     // ...
4     resolve(1);
5     // reject(new Error('message'));
6 });
7
8 p.then(result => console.log('Result', result));
```

DEBUG CONSOLE PROBLEMS OUTPUT **TERMINAL**

2: bash

Activities

Visual Studio Code

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promise.js - Applications - Visual Studio Code

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EXPLORER

OPEN EDITORS

✕ JS promise.js 06. Promises/async-demo

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APPLICATIONS

> 01. Synchronous Vs Asynchronous Code

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> 02. Patterns For Dealing With Asynchronous ...

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> 03. Callbacks

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> 04. Callback Hell

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> 05. Named Functions To Rescue

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06. Promises

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async-demo

•

package.json

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JS promise.js

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README.md

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> 07. Replacing Callbacks With Promises

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> 08. Consuming Promises

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> 09. Creating Settled Promises

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> 10. Running Parallel Promises

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> 11. Async And Await

•

> 12. Exercise

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README.md

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OUTLINE

TIMELINE

JS promise.js

06. Promises > async-demo > JS promise.js > ...

```
1 // const p = new Promise((resolve, reject) => {
2 //   // Kick off some async work
3 //   // ...
4 //   resolve(1);
5 //   // reject(new Error('message'));
6 // });
7 // p.then(result => console.log('Result', result));
8
9 const p = new Promise((resolve, reject) => {
10   // Kick off some async work
11   // ...
12   setTimeout(() => {
13     resolve(1);
14   }, 2000);
15   // reject(new Error('message'));
16 });
17 p.then(result => console.log('Result', result));
```

DEBUG CONSOLE PROBLEMS OUTPUT TERMINAL

2: bash

```
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/06. Asynchronous JavaScript/Applications/06. Promises/async-demo$ node promise.js
Result 1
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/06. Asynchronous JavaScript/Applications/06. Promises/async-demo$
```

master* ↺ 0 0 0 ✓ javascript | ✓ promise.js

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Activities

Visual Studio Code

promise.js - Applications - Visual Studio Code

10.0KB/s 751B/s

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JS promise.js

06. Promises > async-demo > JS promise.js > p > <function> > setTimeout() callback

17 // p.then(result => console.log(result, result));

18

19 const p = new Promise((resolve, reject) => {

20 // Kick off some async work

21 // ...

22 setTimeout(() => {

23 // resolve(1); // pending => resolved, fulfilled

24 reject(new Error('message')); // pending => rejected

25

26 }, 2000);

27 });

28 p

29 .then(result => console.log('Result', result)) // Here semicolon is not allowed

30 .catch(err => console.log('Error', err.message));

DEBUG CONSOLE PROBLEMS OUTPUT TERMINAL

2: bash

dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/06. Asynchronous JavaScript/Applications/06. Promises/async-demo\$ node promise.js

Error message

dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/06. Asynchronous JavaScript/Applications/06. Promises/async-demo\$

master*

0 0

javascript | promise.js

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