



JavaScript

Functional Programming

Promises

Sequencing concurrent operations

What is a Promise?

- A promise is an object that represents an **asynchronous action** with a potential **future value**
- Promises can be **chained** and **nested**, which means it's easy to express complex trees of dependent, concurrent code.

```
8  const promise =  
9  new Promise((resolve, reject) => {  
10     setTimeout(  
11         () => resolve(),  
12         1000  
13     );  
14 });  
15  
16 promise  
17     .then(() => console.log('Waited for 1 second!'))  
18     .then(() => doSomethingElse());
```

Promise States

