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by CoderPad

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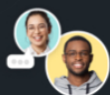LOG IN

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JavaScript promises, mastering the asynchronous

Magus | 414.5K views

Are you really listening? Let's see.

```javascript
function job() {
    return new Promise(function(resolve, reject) {
        reject();
    });
}

let promise = job();

promise

.then(function() {
    console.log('Success 1');
})

.then(function() {
    console.log('Success 2');
})

.then(function() {
    console.log('Success 3');
})

.catch(function() {
    console.log('Error 1');
})

.then(function() {
    console.log('Success 4');
});
```

⊘ What is the output of the code above ?

○ Error 1

○ Success 1, Error 1

○ Success 1, Success 2, Success 3, Success 4

○ Success 1, Success 2, Success 3, Error 1, Success 4

○ Error 1, Success 1, Success 2, Success 3, Succes 4

◉ **Error 1, Success 4**

CHECK

```javascript
function job(state) {
    return new Promise(function(resolve, reject) {
        if (state) {
            resolve('success');
        } else {
            reject('error');
        }
    });
}
```

```
let promise = job(true);

promise

.then(function(data) {
    console.log(data);

    return job(false);
})

.catch(function(error) {
    console.log(error);

    return 'Error caught';
})

.then(function(data) {
    console.log(data);

    return job(true);
})

.catch(function(error) {
    console.log(error);
});
```

✓ What is the output of the code above?

- ○ error, success, Error caught
- ○ success, success
- ○ success, error, success, error
- ● **success, error, Error caught**
- ○ error, Error caught, success
- ○ error, Error caught, success, error
- ○ success, error, error
- ○ success, success, success

CHECK

```
function job(state) {
    return new Promise(function(resolve, reject) {
        if (state) {
            resolve('success');
        } else {
            reject('error');
        }
    });
}

let promise = job(true);

promise

.then(function(data) {
    console.log(data);

    return job(true);
})

.then(function(data) {
    if (data !== 'victory') {
        throw 'Defeat';
    }

    return job(true);
})

.then(function(data) {
    console.log(data);
})

.catch(function(error) {
    console.log(error);

    return job(false);
})

.then(function(data) {
    console.log(data);

    return job(true);
})
```

```
    .catch(function(error) {
        console.log(error);

        return 'Error caught';
    })

    .then(function(data) {
        console.log(data);

        return new Error('test');
    })

    .then(function(data) {
        console.log('Success:', data.message);
    })

    .catch(function(data) {
        console.log('Error:', data.message);
    });
```

⊗ What is the output of the code above?

- ○ error, error, Error caught, Error: test
- ○ success, success, Error caught, Success: Test
- ○ success, Defeat, error, Error caught, Success: test
- ○ error, Error caught, Success: test
- ⦿ **success, Defeat, error, Error caught, Error: test**
- ○ success, error, Defeat, Success: test

<div style="background:#d9534f;color:white;text-align:center;padding:1em">CHECK</div>

♡

Create your playground on Tech.io
This playground was created on Tech.io, our hands-on, knowledge-sharing platform for developers.

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🔗 Suggested playgrounds

JS	JavaScript, async and await keywords
	By 👤 Magus	👁 39K 66 0

node	JavaScript array + loop
	By 👤 gabrielacarr	👁 11.9K 112 0

node	My First Playground - Node.js
	By 👤 Neon_Tuts	👁 19.7K 33 0

TECHIO	Wie man die Programmierfähigkeiten von En…
	By 👤 [CG]OlogN	👁 25.4K 7 0