```javascript
async function test(x) {
    if (x === 5) {
        throw new Error("Invalid value");
    }
    return x * 2;
}

console.log(test(5));
```

```
▶ Promise

❌ Uncaught (in promise) Error: Invalid value
      at test (test.html?_ijt=a94rr…t9fp8g3ij3e6sbv4:23)
      at test.html?_ijt=a94rr…t9fp8g3ij3e6sbv4:28
```

```javascript
console.log(
    test(5).catch((error) => {
        console.log("We have a problem: " + error);
    })
);
```

```
▶ Promise {<pending>}
We have a problem: Error: Invalid value
```

```
try {
    console.log(test(5));
} catch (error) {
    console.log("We have a problem: " + error);
}
```

```
Promise {<rejected>: Error: Invalid value
    at test (http://localhost:63342/talks/js-event-loop
▶ Uncaught (in promise) Error: Invalid value
    at test (test.html?_ijt=a94rr…t9fp8g3ij3e6sbv4:23)
    at test.html?_ijt=a94rr…t9fp8g3ij3e6sbv4:29
```

Demo #3, Demo #4

```
async function test(x) {
    if (x === 5) {
        throw new Error("Invalid value");
    }
    return x * 2;
}


console.log(test(5));
```

> ▶ Promise
> ⊗ Uncaught (in promise) Error: Invalid value
>   at test (test.html?_ijt=a94rr…t9fp8g3ij3e6sbv4:23)
>   at test.html?_ijt=a94rr…t9fp8g3ij3e6sbv4:28

```
console.log(
    test(5).catch((error) => {
        console.log("We have a problem: " + error);
    })
);
```

> ▶ Promise {<pending>}
> We have a problem: Error: Invalid value

```
try {
    console.log(test(5));
} catch (error) {
    console.log("We have a problem: " + error);
}
```

> ▶ Promise {<rejected>: Error: Invalid value
>   at test (http://localhost:63342/talks/js-event-loop
> ⊗ ▶ Uncaught (in promise) Error: Invalid value
>   at test (test.html?_ijt=a94rr…t9fp8g3ij3e6sbv4:23)
>   at test.html?_ijt=a94rr…t9fp8g3ij3e6sbv4:29

Demo #3, Demo #4
```

```javascript
async function test(x) {
    if (x === 5) {
        throw new Error("Invalid value");
    }
    return x * 2;
}

try {
  console.log(await test(5));
} catch (error) {
  console.log("We have a problem: " + error);
}
```