

The Complete JS Guide - **then & catch**



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Promises in JavaScript

In the last part, we learned about promises and their different states

Syntax



```
1  let promise = new Promise(function (resolve, reject) {  
2    // your code  
3  });  
4
```



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Resolve

---> We use `resolve(value)` — if the promise is finished successfully, with result value

Error

---> We use `reject(error)` — if an error has occurred, the error is the error object.



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Example

let's create a new promise to store our value either in resolve or reject depending on the condition



```
1  let promise = new Promise((resolve, reject) => {  
2    let value = true  
3    if(value) {  
4      resolve("lahore")  
5    } else {  
6      reject("Karachi")  
7    }  
8  })
```



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then and catch

In JavaScript , a Promise has 2 consumers

---> **then** : when the Promise is successful , we use then

---> **catch** : when the Promise fails , we use catch



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Case 1 (true condition)

```
1  let promise = new Promise((resolve, reject) => {  
2    let value = true;   
3    if (value) {  
4      resolve("lahore");  
5    } else {  
6      reject("Karachi");  
7    }  
8  });  
9  
10 promise.then((value) => console.log(value)).catch((err) => console.log(err));  
11 // Lahore  
12
```



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Case 2 (false condition)

```
1  let promise = new Promise((resolve, reject) => {  
2    let value = false;  
3    if (value) {  
4      resolve("lahore");  
5    } else {  
6      reject("Karachi");  
7    }  
8  });  
9  
10 promise.then((value) => console.log(value)).catch((err) => console.log(err));  
11 // karachi  
12
```



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Points to note

```
1  let promise = new Promise((resolve, reject) => {
2    let value = false;
3    if (value) {
4      resolve("lahore");
5    } else {
6      reject("Karachi");
7    }
8  });
9
10 promise.then((value) => console.log(value)).catch((err) => console.log(err));
11 // karachi
12
```

This will get the
value of resolve

This will get the
value of reject



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