

July 18, 2022

PRESENTER : LINWEN

J A V A S C R I P T

# HTTP status Code + Review

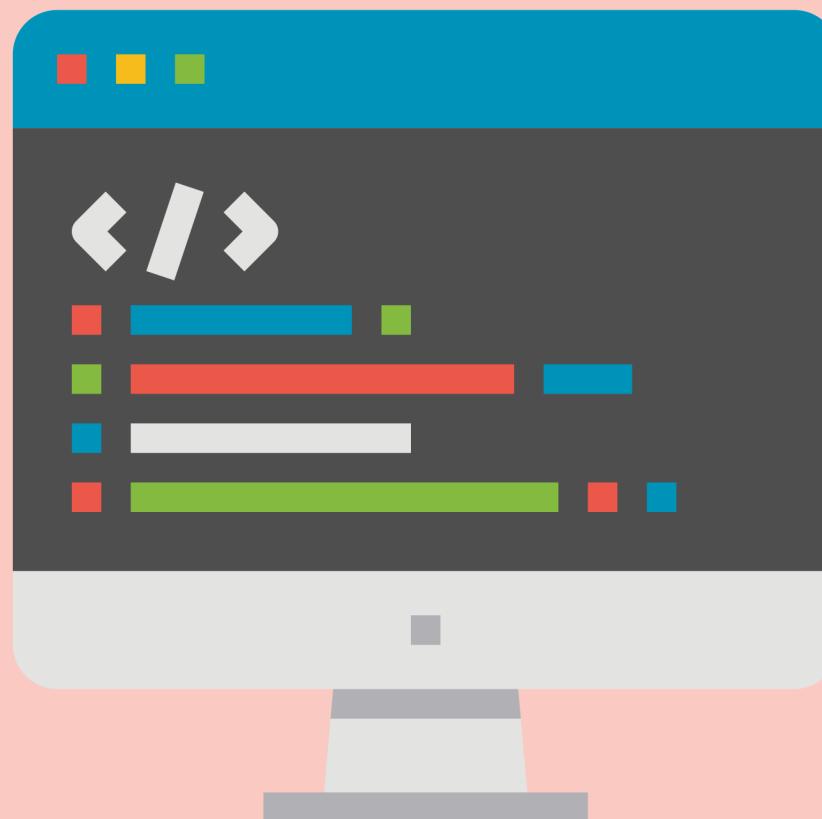


# Review

1. **async**
2. **await**

# async

- Asynchronous
- Makes a function return a Promise

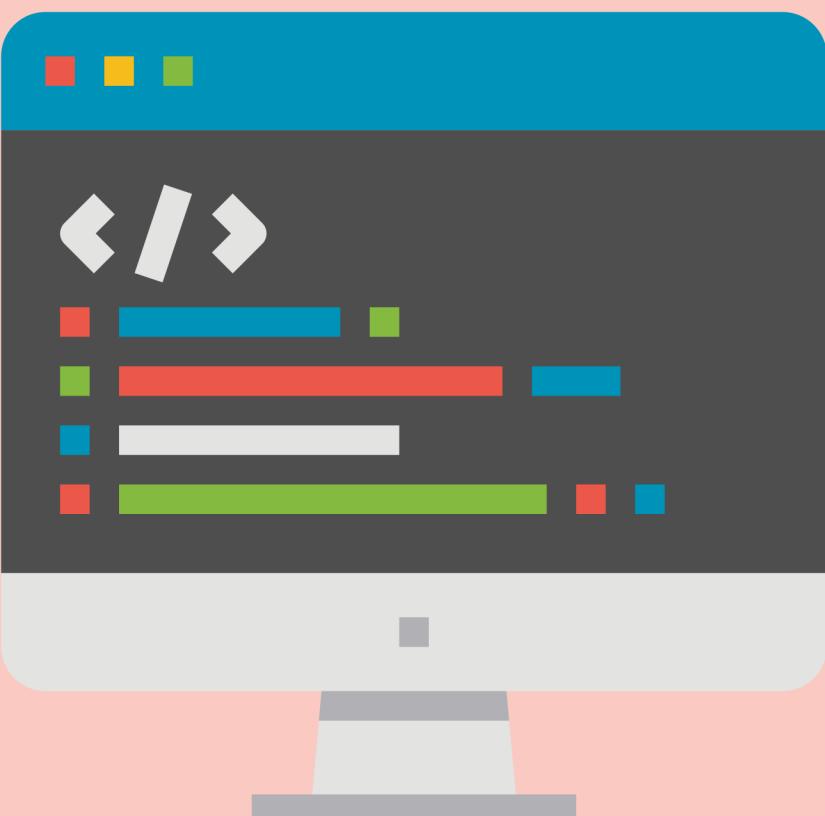


# await

- Wait until the Promise fulfilled / resolves
- Only be used inside an **async** function

# a s y n c

- Asynchronous
- Makes a function return a Promise



What's pro?



# promise

Object

promise.then()

more line

# async

Function

use await  
.then() is not  
necessary

more simple &  
readable

```
async function demo_async(number_async){  
  let promise = new Promise((resolve, reject)=>{  
    if(number_async > 0){  
      resolve("Happy monday");  
    }  
  });  
  
  //await: wait for promise to fulfill  
  console.log(await promise + number_async);  
  document.getElementsByTagName("h3")[0].innerHTML = await promise;  
}  
demo_async(8);
```



**Q1 :**

**async is...**

**Q2 :**

**put await  
outside of  
async func  
(T/F)**

**Q1 :**

**a sync is...**

- Makes a function return  
a Promise

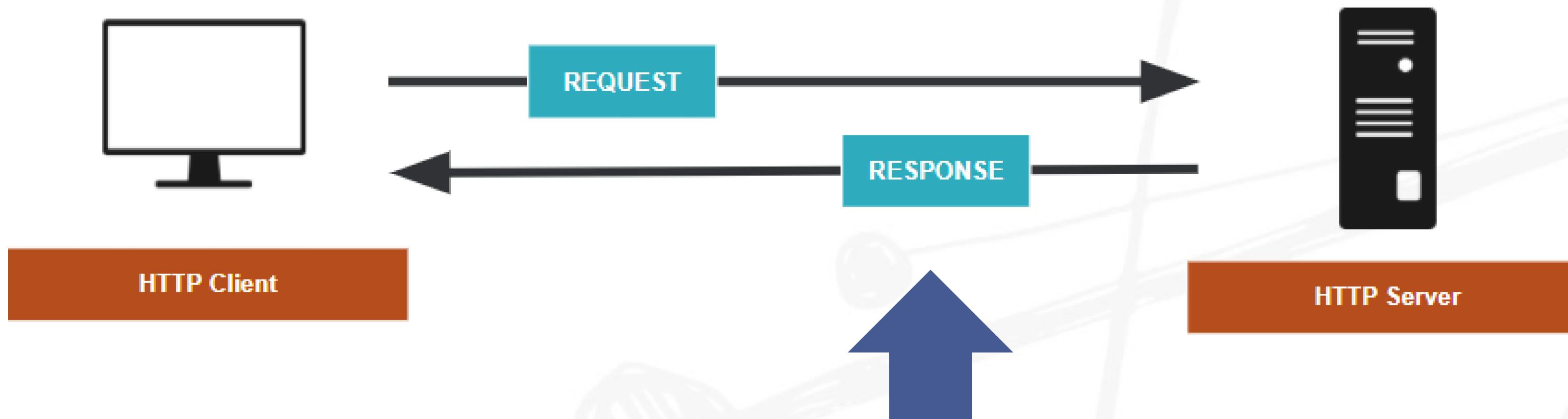
**Q2 :**

**put await  
outside of  
a sync func  
(T/F)**

- False

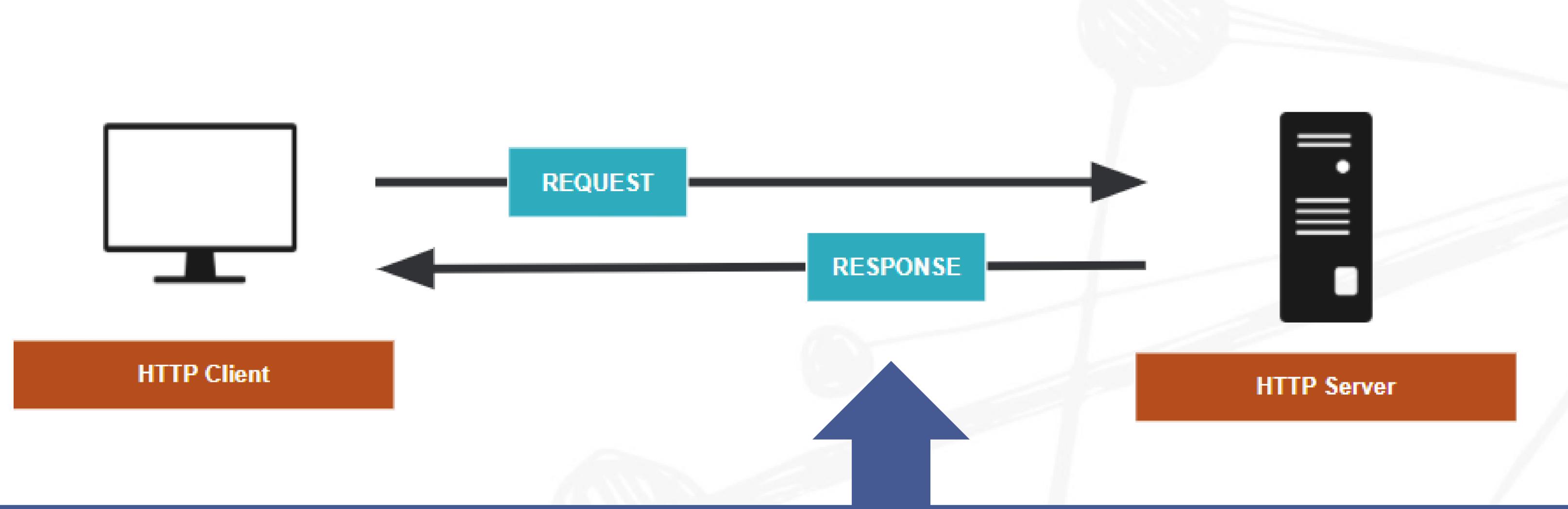
# HTTP STATUS CODE





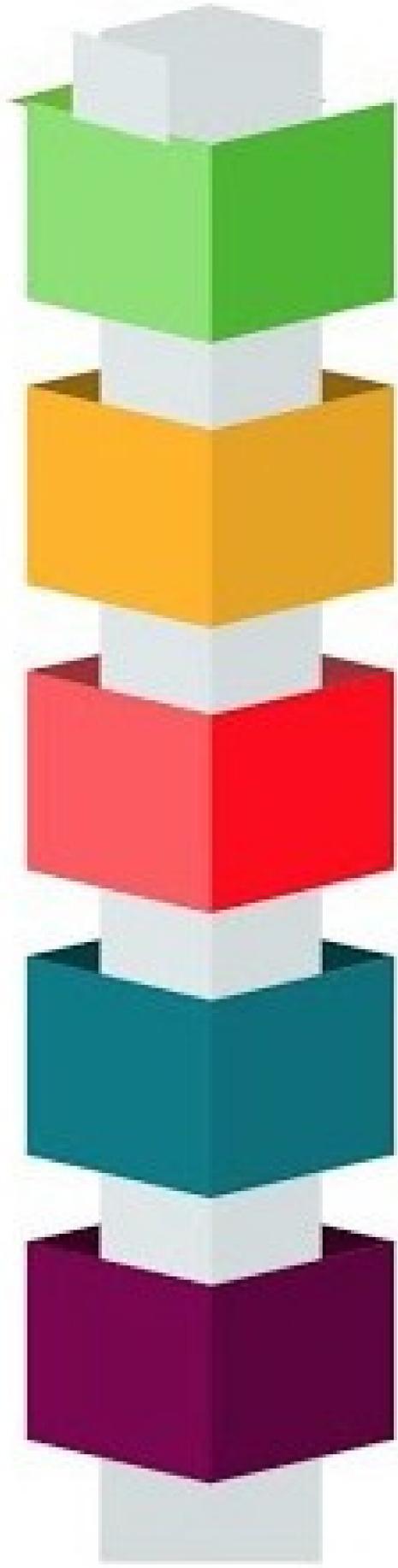
## HTTP STATUS CODE

An HTTP Status Code is a server response to a request from a browser.



## HTTP STATUS CODE

**3-digit code.  
internet conversations between the  
browser and the server.**



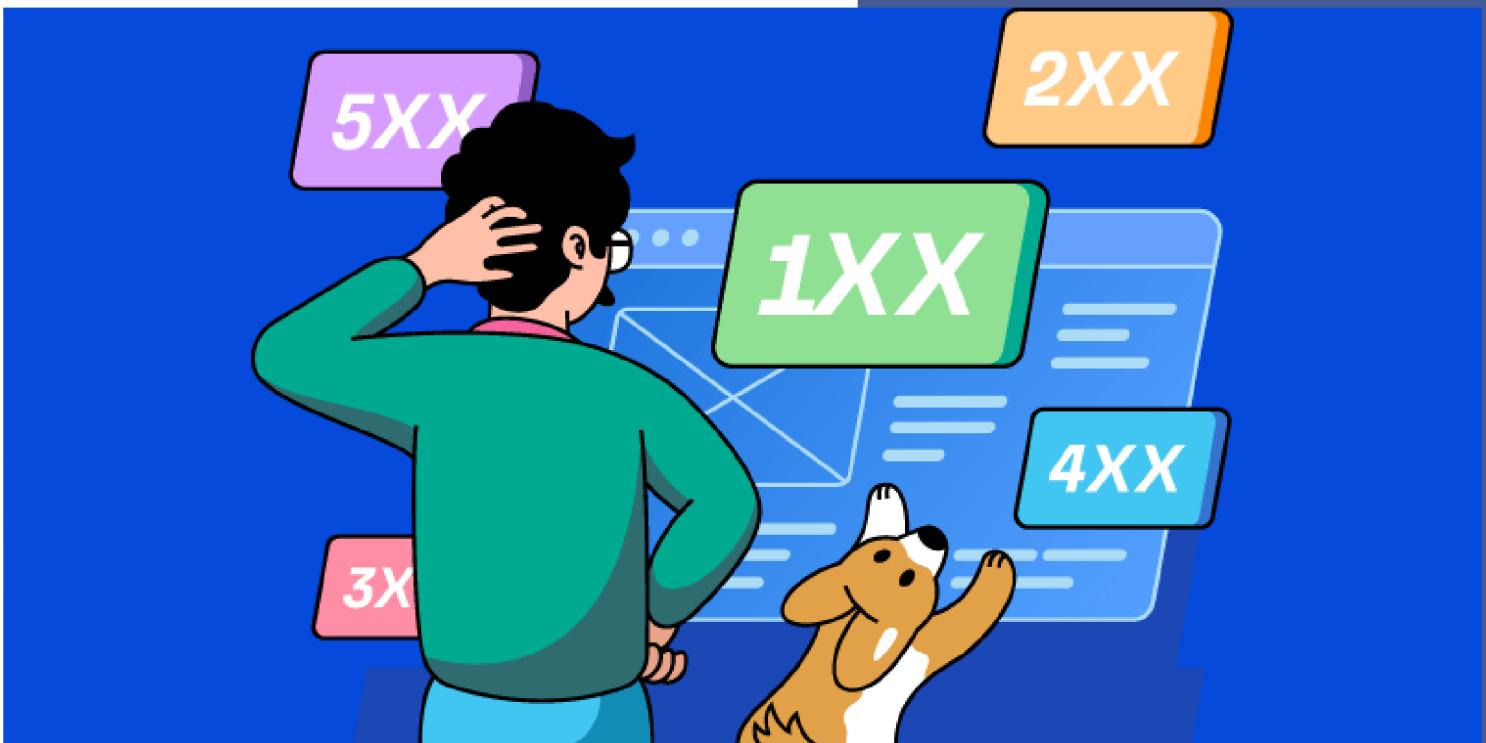
**1XX**  
**INFORMATIONAL**

**2XX**  
**SUCCESS**

**3XX**  
**REDIRECTION**

**4XX**  
**CLIENT ERROR**

**5XX**  
**SERVER ERROR**



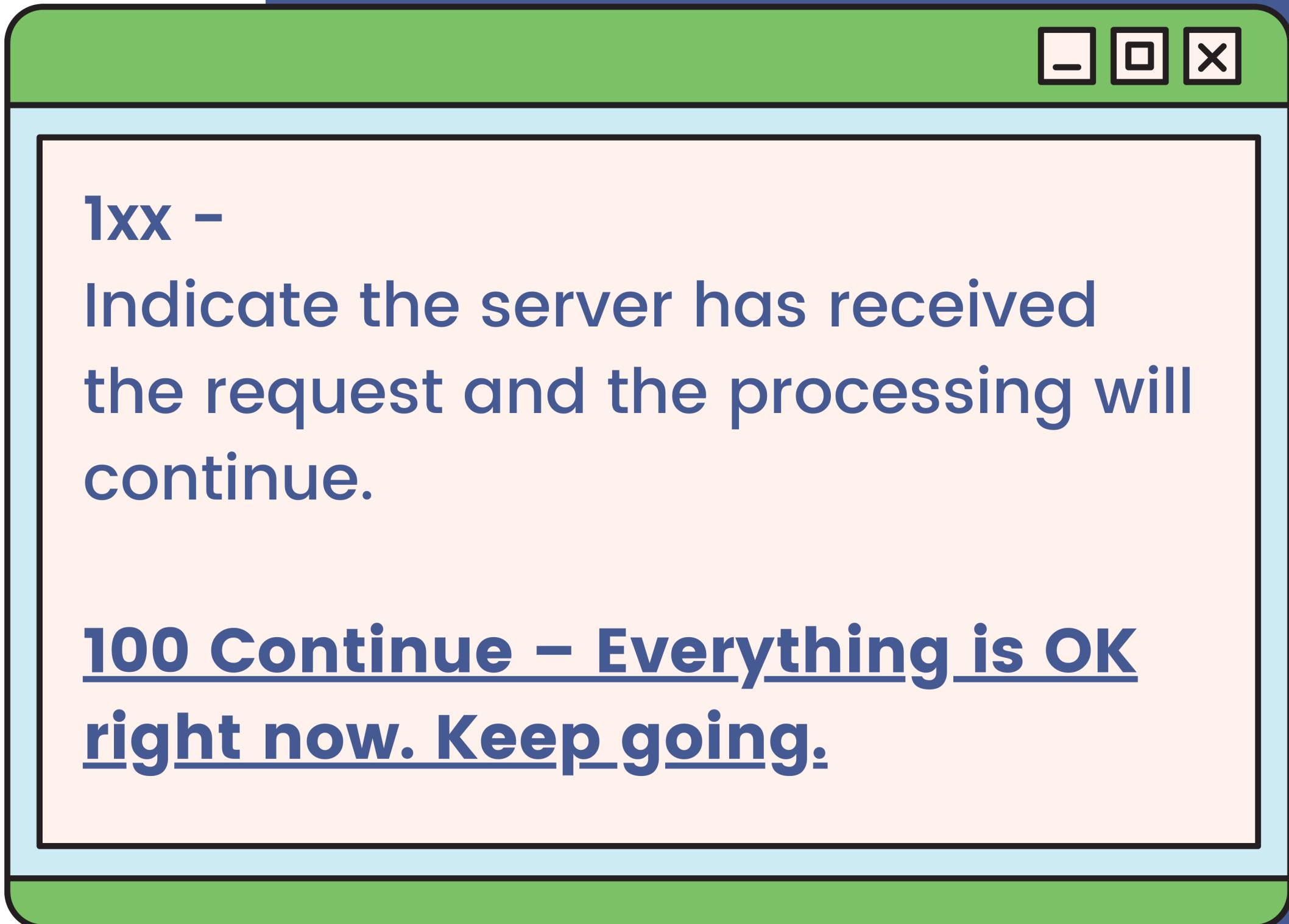
**1XX**  
**INFORMATIONAL**

**2XX**  
**SUCCESS**

**3XX**  
**REDIRECTION**

**4XX**  
**CLIENT ERROR**

**5XX**  
**SERVER ERROR**



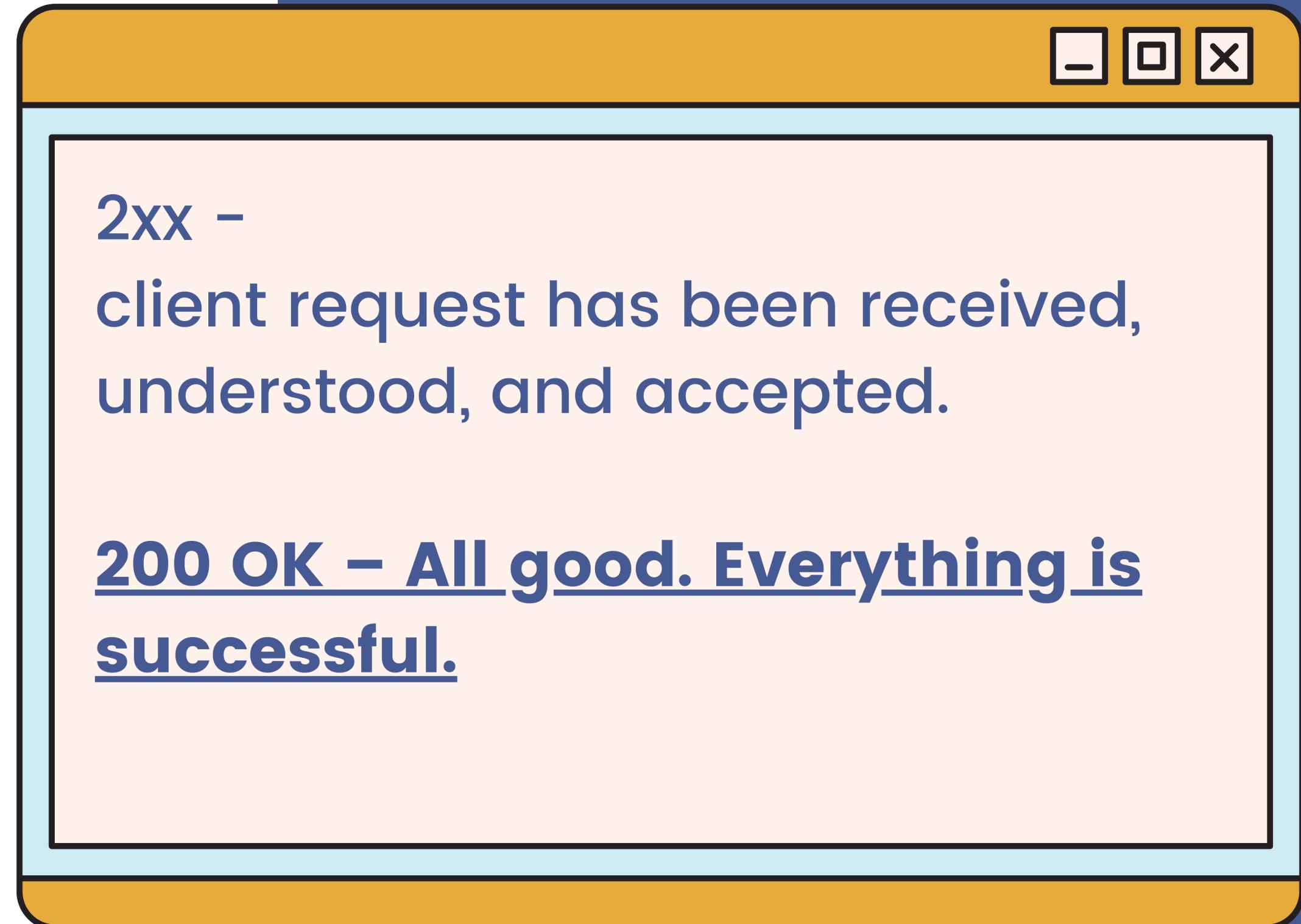
**1XX**  
**INFORMATIONAL**

**2XX**  
**SUCCESS**

**3XX**  
**REDIRECTION**

**4XX**  
**CLIENT ERROR**

**5XX**  
**SERVER ERROR**



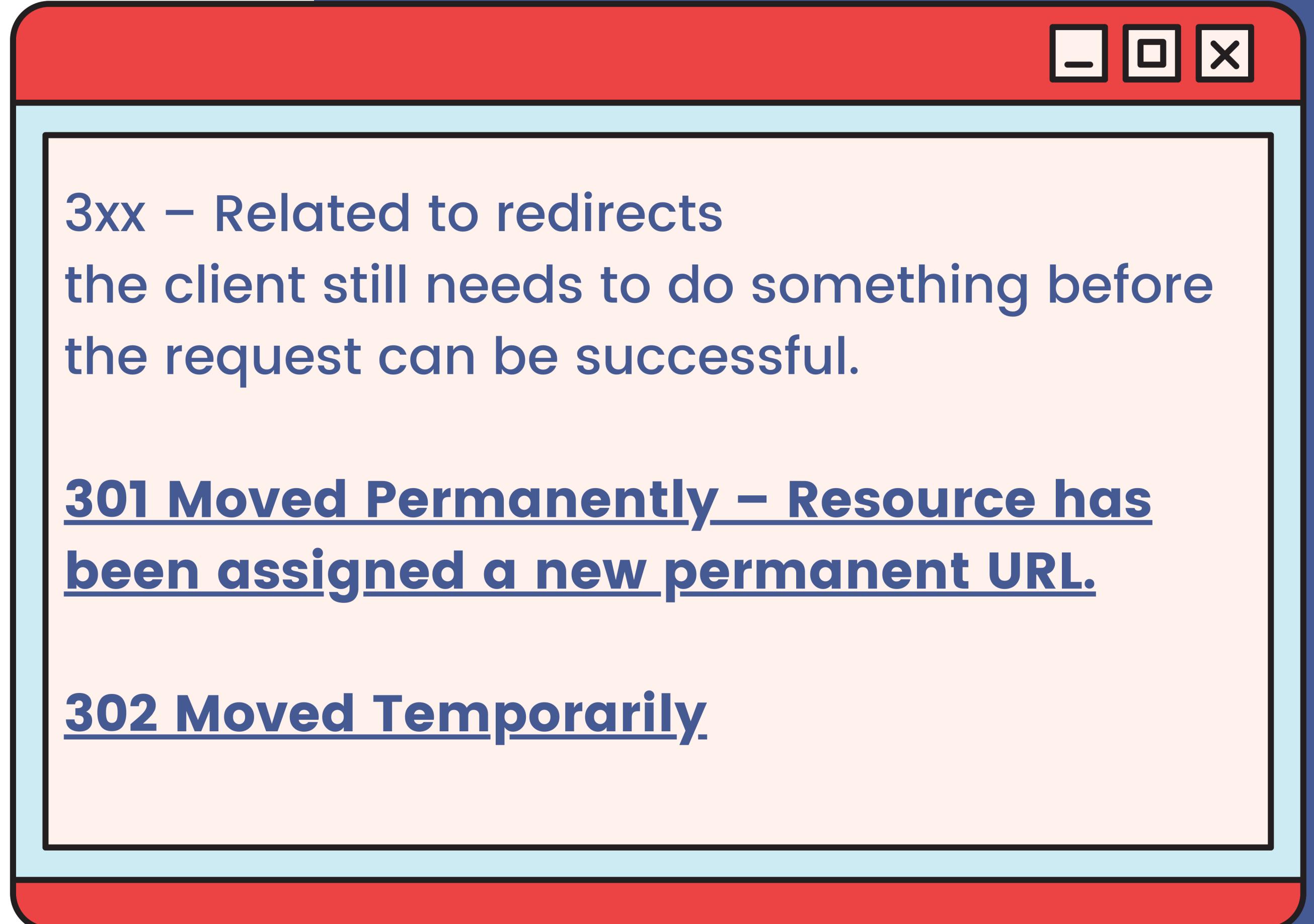
**1XX**  
**INFORMATIONAL**

**2XX**  
**SUCCESS**

**3XX**  
**REDIRECTION**

**4XX**  
**CLIENT ERROR**

**5XX**  
**SERVER ERROR**



3xx – Related to redirects  
the client still needs to do something before  
the request can be successful.

**301 Moved Permanently – Resource has  
been assigned a new permanent URL.**

**302 Moved Temporarily**

**1XX**  
**INFORMATIONAL**

**2XX**  
**SUCCESS**

**3XX**  
**REDIRECTION**

**4XX**  
**CLIENT ERROR**

**5XX**  
**SERVER ERROR**

4xx – Errors on the client's side

**400 Bad Request – server can't understand the request.**

**403 Forbidden – The client is known but doesn't have access rights.**

**404 Not Found – The requested resource isn't found.**

**1XX**  
**INFORMATIONAL**

**2XX**  
**SUCCESS**

**3XX**  
**REDIRECTION**

**4XX**  
**CLIENT ERROR**

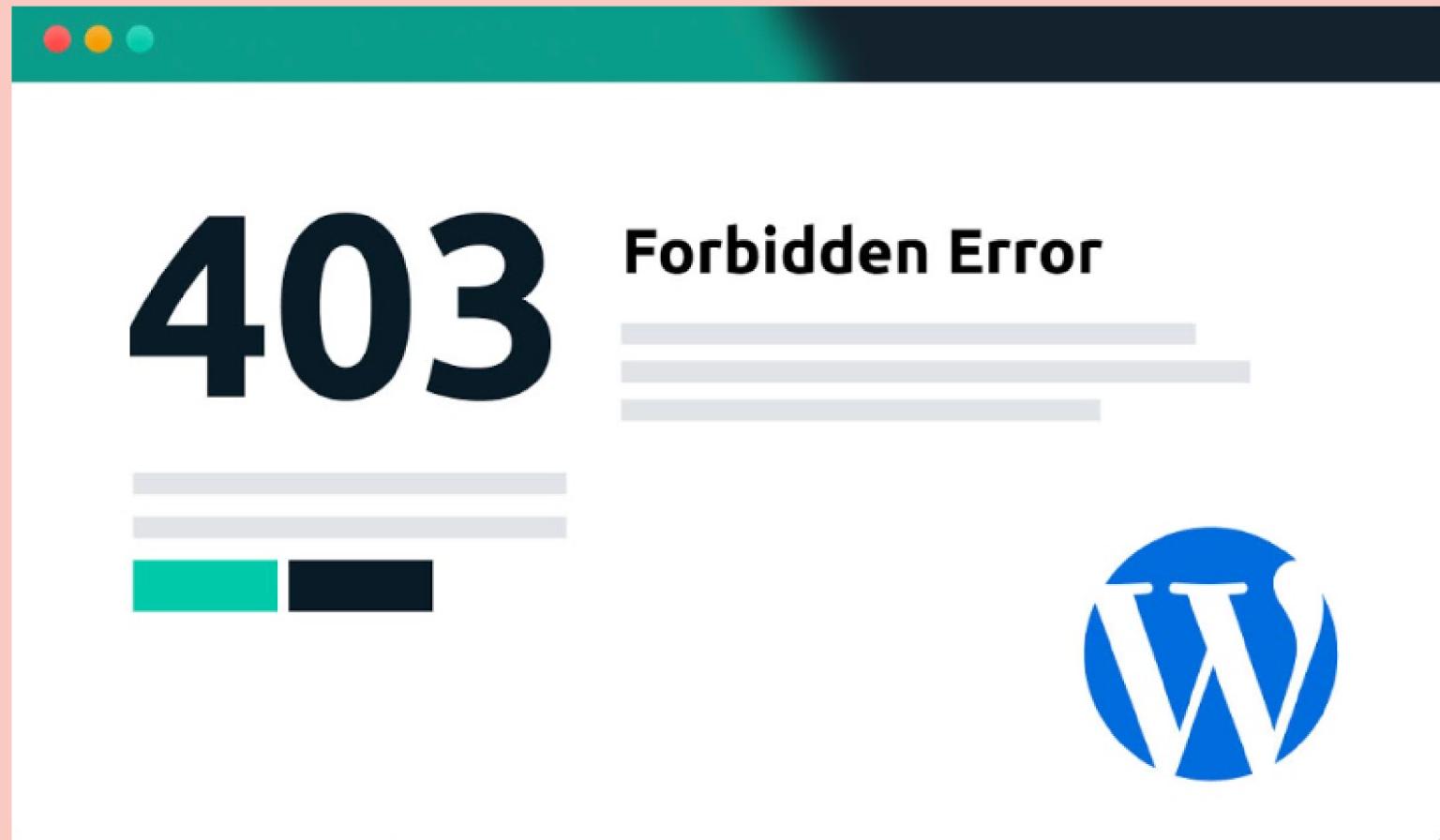
**5XX**  
**SERVER ERROR**

5xx – Errors on the server's side

**500 Internal Server Error – Server experienced something unexpected preventing the fulfillment of the request**

**503 Service Unavailable – The server is overloaded or down for maintenance and can't handle the request right now.**

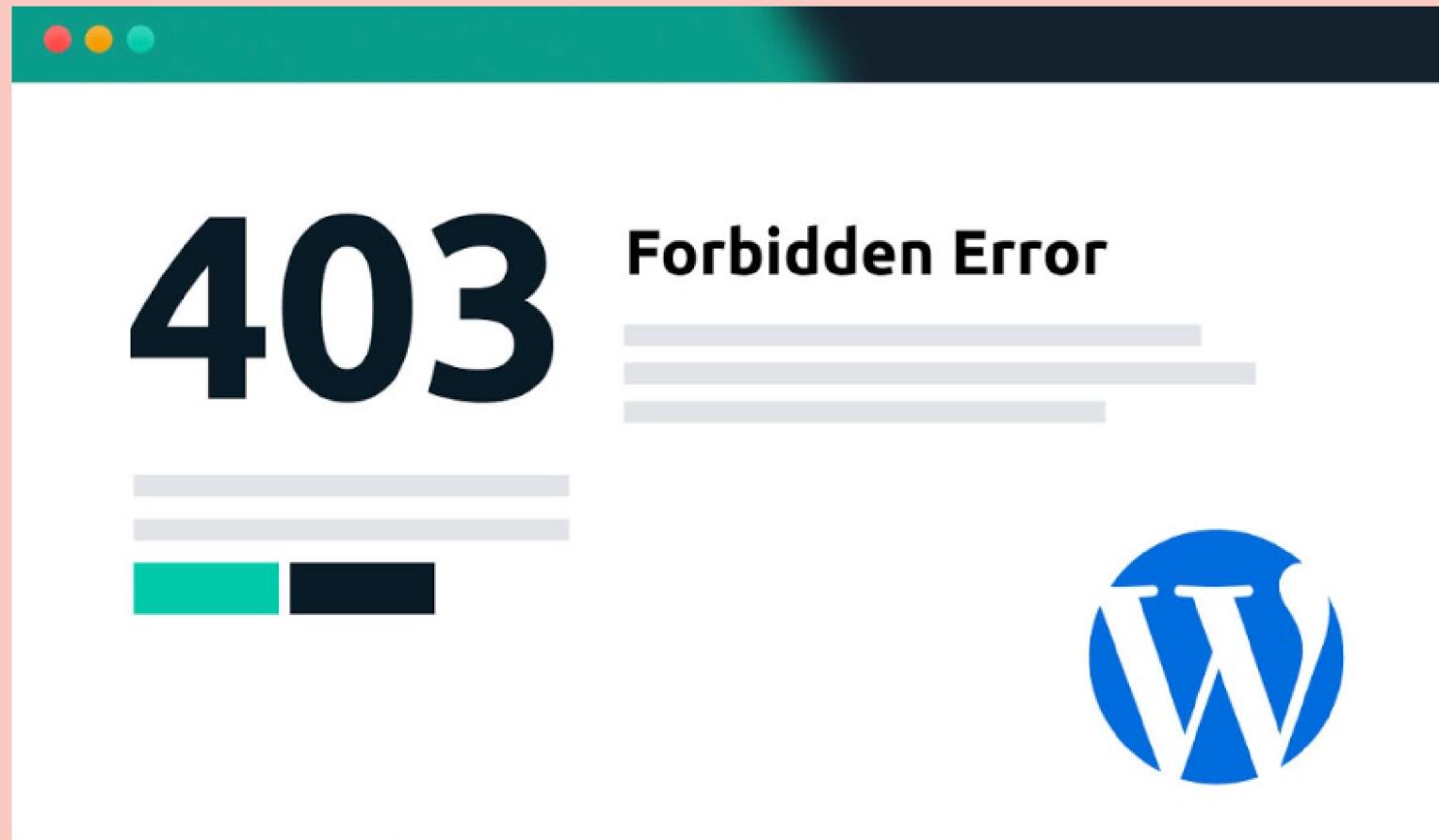
**Q1 :**



**Q2 :**



# Q1 :



**Don't have access rights.**

# Q2 :



**Move to a new permanent URL.**

# HTTP Status Codes

When a browser request a service from a web service, a response code will be given.

These are the list of HTTP Status code that might be returned

1XX Information		4XX Client (Continue)	
100	Continue	407	Proxy Authentication Required
101	Switching Protocols	408	Request Timeout
102	Processing	409	Conflict
103	Early Hints	410	Gone
2XX Success		411	Length Required
200	OK	412	Precondition Failed
201	Created	413	Payload Too Large
202	Accepted	414	URI Too Large
203	Non-Authoritative Information	415	Unsupported Media Type
205	Reset Content	416	Range Not Satisfiable
206	Partial Content	417	Exception Failed
207	Multi-Status (WebDAV)	418	I'm a teapot
208	Already Reported (WebDAV)	421	Misdirected Request
226	IM Used (HTTP Delta Encoding)	422	Unprocessable Entity (WebDAV)
3XX Redirection		423	Locked (WebDAV)
300	Multiple Choices	424	Failed Dependency (WebDAV)
301	Moved Permanently	425	Too Early
302	Found	426	Upgrade Required
303	See Other	428	Precondition Required
304	Not Modified	429	Too Many Requests
305	Use Proxy	431	Request Header Fields Too Large
306	Unused	451	Unavailable for Legal Reasons
307	Temporary Redirect	499	Client Closed Request
4XX Client Error		5XX Server Error Responses	
400	Bad Request	500	Internal Server Error
401	Unauthorized	501	Not Implemented
402	Payment Required	502	Bad Gateway
403	Forbidden	503	Service Unavailable
404	Not Found	504	Gateway Timeout
405	Method Not Allowed	505	HTTP Version Not Supported
406	Not Acceptable	507	Insufficient Storage (WebDAV)
Compiled by Ivan Tay.		508	Loop Detected (WebDAV)
407		510	Not Extended
408		511	Network Authentication Required
409		599	Network Connect Timeout Error

## Reference

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Thank You