```
============ xhr-app.js ======================
// This example to get some data from a text file and show them in the console by using XHR
object

document.getElementById('button').addEventListener('click',loadData);

// Create an HXR Object

function loadData(){
  const xhr = new XMLHttpRequest();

// Open - It is basically where we're going to specify the type of request we want to make.
  xhr.open('GET','data.txt',true);

  xhr.onprogress = function(){
        console.log('READYSTATE',xhr.readyState)
  }
        xhr.onload = function(){  // You can use it instead of onreadychange method, it will
include tghe
        console.log('READYSTATE',xhr.readyState);
        if (this.status === 200){
        console.log(this.responseText);
        // this will done without refresh the page
        document.querySelector('#output').innerHTML=`<h1>${this.responseText}</h1>`
        }
        };

        // xhr.onreadystatechange = function(){
        //   console.log('READYSTATE',xhr.readyState);
        //   if (this.status === 200 && this.readystate===4){
        //         console.log(this.responseText);
        //   }
        // };
        xhr.onerror = function(){
        console.error("Request Error....");
        }
  xhr.send();

};

/*
HTTP Statuses
  200: "Ok"
```

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  403: "Forbidden"
  404: "Not Found"
*/

/*
  What is the Ready State => the status of the request
  0] Request not Initialized
  [1] Server connection esablished
  [2] Request Received
  [3] Processing Request
  [4] Request is finished and Response is Ready
*/

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=========== icn-app.js ==============================
document.querySelector('.get-jokes').addEventListener('click',getJokes);
function getJokes(e){

        const number = document.querySelector('input[type="text"]').value;
        const xhr = new XMLHttpRequest();

        xhr.open('GET',`http://api.icndb.com/jokes/random/${number}`,true);

        xhr.onload=function(){
        if (this.status===200 && this.readyState===4){
        const response=JSON.parse(this.responseText);
        let output ='';
        if (response.type==='success'){

                response.value.forEach(function(joke){
                output+=`<li>${joke.joke}</li>`
                })

        }else{
                output+=`<li>Something wrong</li>`
        }
        document.querySelector('.jokes').innerHTML=output;
        }
        }
        xhr.send();
        e.preventDefault();
}
```

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================= json-app.js =====================
document.querySelector('#button1').addEventListener('click',loadCustomer);

document.querySelector('#button2').addEventListener('click',loadCustomers);

// load a customer
function loadCustomer(e){
        const xhr = new XMLHttpRequest();
        xhr.open('GET','customer.json',true);
        xhr.onload = function(){
        const customer = JSON.parse(this.responseText);
        const output =`
        <ul>
                <li>ID: ${customer.id}</li>
                <li>Name: ${customer.name}</li>
                <li>Company: ${customer.company}</li>
                <li>Phone: ${customer.phone}</li>
        </ul
        `

        document.querySelector('#customer').innerHTML=output;


        }
        xhr.send()

}

// load customers

function loadCustomers(e){
        const xhr = new XMLHttpRequest();
        xhr.open('GET','customers.json',true);
        xhr.onload = function(){
        const customers = JSON.parse(this.responseText);
        let output;
        customers.forEach(function(customer){
        output +=`
        <ul>
                <li>ID: ${customer.id}</li>
                <li>Name: ${customer.name}</li>
                <li>Company: ${customer.company}</li>
                <li>Phone: ${customer.phone}</li>
        </ul
        `
```

```
        })

        document.querySelector('#customers').innerHTML=output;


        }
        xhr.send();
}


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================ callback0.js ===================================
const posts =[
        {'title':"Post One","body":"This is Post One"},
        {'title':"Post Two","body":"This is Post Two"}
];

function createPost(post){
        setTimeout(function(){
        posts.push(post);
        },2000);
}

function getPosts(){
        setTimeout(function(){
        let output='';
        posts.forEach(function(post){
        output +=`<li>${post.title}</li>`
                });
        document.body.innerHTML=output;
        },1000);

}

createPost({"title":"Post Three","body":"This is Post Three"});
getPosts();


=======================================================================


================ callback1.js ===================================
const posts =[
        {'title':"Post One","body":"This is Post One"},
        {'title':"Post Two","body":"This is Post Two"}
];
```

```
function createPost(post,callback){
        setTimeout(function(){
        posts.push(post);
        callback();
        },2000);
}

function getPosts(){
        setTimeout(function(){
        let output='';
        posts.forEach(function(post){
        output +=`<li>${post.title}</li>`
                });
        document.body.innerHTML=output;
        },1000);

}

createPost({"title":"Post Three","body":"This is Post Three"},getPosts);
```