

Practical-9

AJAX Example 1:-

Code-

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.4.1/css/bootstrap.min.css" integrity="sha384-
Vkoo8x4CGs03+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin=
"anonymous">

    <title>First AJAX Demo</title>
  </head>
  <body>
    <h1>AJAX Tutorial</h1>

    <button type="button" id='fetchBtn' class="btn btn-
primary">Fetch Data</button>
    <button type="button" id='BackupBtn' class="btn btn-
secondary">Backup Button</button>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-
3.4.1.slim.min.js" integrity="sha384-
J6qa4849b1E2+poT4WhyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n" crossorigin=
"anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper
.min.js" integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtM13UksdQRVvoxMfooAo" crossorigin=
"anonymous"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstr
ap.min.js" integrity="sha384-
```

```
wfSDF2E50Y2D1uUdj003uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl30g8ifwB6" crossorigin=
"anonymous"></script>
  <script src="first_sample.js"></script>
</body>
</html>
```

```
console.log('Ajax demo')

var fetchBtn = document.getElementById("fetchBtn");
fetchBtn.addEventListener('click',buttonClickListener);

function buttonClickListener(){
  console.log("You have clicked");

  const xhr = new XMLHttpRequest();
  //Open the object
  xhr.open('GET','sample.txt',true); // True for asynchronous

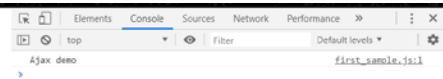
  xhr.onprogress = function(){
    console.log("Data retrieval is in progress");
  }
  xhr.onreadystatechange = function(){ // ready state code values in xhr
    console.log('ready state is: ',xhr.readyState);
  }
  xhr.onload = function(){
    console.log(this.response);
  }

  xhr.send();

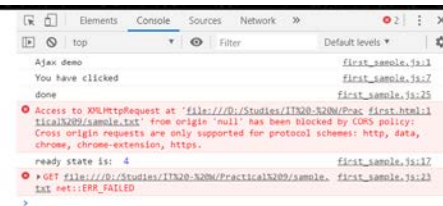
  console.log('done');
}
```

Output-

AJAX Tutorial

[Fetch Data](#)[Backup Button](#)

AJAX Tutorial

[Fetch Data](#)[Backup Button](#)

Example 2:-

Code-

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/
4.4.1/css/bootstrap.min.css" integrity="sha384-
Vkoo8x4CGs03+Hhvx8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin=
"anonymous">

    <title>Reading Json Data</title>
  </head>
  <body>
    <h1>This is demo to read JSON Data</h1>
    <h1>Click button to retrieve Animal Data</h1>

    <button type="button" id='fetchBtn' class="btn btn-
primary">Fetch Data</button>

    <div id="animal_info"></div>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-
3.4.1.slim.min.js" integrity="sha384-
J6qa4849bIE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n" crossorigin=
"anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper
.min.js" integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" crossorigin=
"anonymous"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstr
ap.min.js" integrity="sha384-
wfSDF2E50Y2D1uUdj003uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl30g8ifwB6" crossorigin=
"anonymous"></script>
    <script src="second_json.js"></script>
  </body>
</html>
var count = 1;
```

```
var animal_data = document.getElementById("animal_info");
var btn = document.getElementById("fetchBtn");

console.log('2nd Java script');

btn.addEventListener('click',function(){
    var vReq = new XMLHttpRequest();
    vReq.open('GET','https://learnwebcode.github.io/json-example/animals-
' + count + '.json');

    vReq.onload = function(){
        var ourData = JSON.parse(vReq.responseText);
        //console.log(ourData);
        fun_call(ourData);
    };
    vReq.send();
    count++;

    if(count > 3)
    {
        btn.classList.add("hide-me");
    }
});

function fun_call(data){
    var str="";
    for(i=0;i<data.length;i++)
    {
        str += "<p>" + data[i].name + " is a "+data[i].species +".</p>";
    }
    animal_data.insertAdjacentHTML('beforeend',str);
}
```

Output-

This is demo to read JSON Data

Click button to retrieve Animal Data

Fetch Data

This is demo to read JSON Data

Click button to retrieve Animal Data

Fetch Data

Meowsy is a cat.

Barky is a dog.

Purrpaws is a cat.