



SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution



Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A++’ Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER APPLICATIONS

23CAT701 – FULL STACK DEVELOPMENT

II YEAR III SEM

UNIT 1 – INTRODUCTION TO CSS and JAVASCRIPT

TOPIC 9 - AJAX GET and POST



jQuery - AJAX Introduction

AJAX is the art of exchanging data with a server, and updating parts of a web page - without reloading the whole page.

```
<!DOCTYPE html>
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("button").click(function(){
    $("#div1").load("demo_test.txt");
  });
});
</script>
</head>
<body>

<div id="div1"><h2>Let jQuery AJAX Change This Text</h2></div>

<button>Get External Content</button>

</body>
</html>
```

jQuery and AJAX is FUN!

This is some text in a paragraph.

Get External Content



What is AJAX?

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<div id="demo">
```

```
<h2>Let AJAX change this text</h2>
```

```
<button type="button" onclick="loadDoc()">
```

```
Change Content</button>
```

```
</div>
```

```
</body>
```

```
</html>
```

The HTML page contains a <div> section and a <button>.

The <div> section is used to display information from a server.

The <button> calls a function (if it is clicked).



jQuery - AJAX load() Method

Syntax: `$(selector).load(URL,data,callback);`

The following example loads the content of the file "demo_test.txt" into a specific `<div>` element:

```
$("#div1").load("demo_test.txt");
```

```
$("#div1").load("demo_test.txt #p1");
```



callback function

responseTxt - contains the resulting content if the call succeeds

statusTxt - contains the status of the call

xhr - contains the XMLHttpRequest object

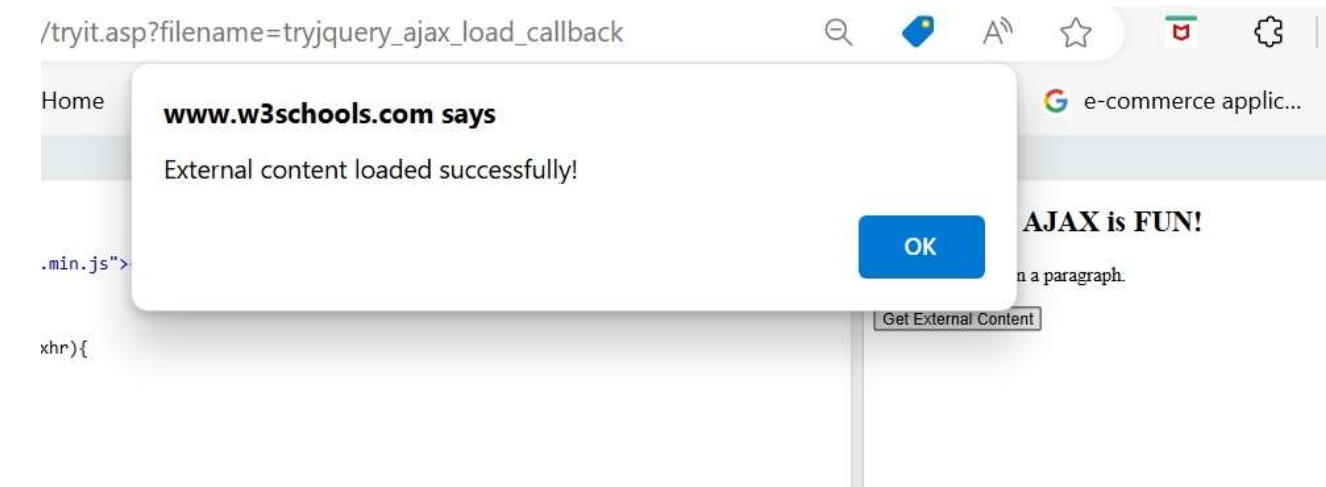


```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("button").click(function(){
    $("#div1").load("demo_test.txt", function(responseTxt, statusTxt, xhr){
      if(statusTxt == "success")
        alert("External content loaded successfully!");
      if(statusTxt == "error")
        alert("Error: " + xhr.status + ": " + xhr.statusText);
    });
  });
});
</script>
</head>
<body>

<div id="div1"><h2>Let jQuery AJAX Change This Text</h2></div>

<button>Get External Content</button>

</body>
</html>
```





AJAX get() and post() Methods

GET - Requests data from a specified resource

POST - Submits data to be processed to a specified resource

jQuery \$.get() Method

Syntax:

```
$.get(URL, callback);
```

```
$.get("demo_test.asp", function(data, status)
```



```
<!DOCTYPE html>
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min
.js"></script>
<script>
$(document).ready(function(){
  $("button").click(function(){
    $.get("demo_test.asp", function(data, status){
      alert("Data: " + data + "\nStatus: " + status);
    });
  });
});
</script>
</head>
<body>

<button>Send an HTTP GET request to a page and get the result
back</button>

</body>
</html>
```





jQuery \$.post() Method

Syntax:

`$.post(URL,data,callback);`

```
$.post("demo_test_post.asp",  
{  
  name: "Donald Duck",  
  city: "Duckburg"  
},  
func
```



```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("button").click(function(){
    $.post("demo_test_post.asp",
    {
      name: "Donald Duck",
      city: "Duckburg"
    },
    function(data,status){
      alert("Data: " + data + "\nStatus: " + status);
    });
  });
});
</script>
</head>
<body>

<button>Send an HTTP POST request to a page and get the result back</button>

</body>
</html>
```





REFERENCES



- [How to use jQuery - AJAX Get and Post Methods \(youtube.com\)](https://www.youtube.com/watch?v=aRMIdKRYg6c)
- [JavaScript Variables \(w3schools.com\)](https://www.w3schools.com/js/js_variables.asp)
- <https://www.youtube.com/watch?v=aRMIdKRYg6c>
- https://www.w3schools.com/JQuery/jquery_ajax_get_post.asp
https://www.w3schools.com/js/js_events.asp

thank
you