

```
<html> <head> <script>
function loadXMLDoc(){
var xmlhttp;

if (window.XMLHttpRequest)

xmlhttp=new XMLHttpRequest();

xmlhttp.onreadystatechange=function()
{
if (xmlhttp.readyState==4 && xmlhttp.status==200)

document.getElementById("myDiv").innerHTML=xmlhttp.responseText;
}
xmlhttp.open("GET","AJAXTextFile.txt",true);
xmlhttp.send(); }
</script> </head> <body>
<div id="myDiv"><h2>Let AJAX change this text</h2></div>
<button type="button" onclick="loadXMLDoc()">Change Content</button>
</body> </html>
```

```
<!DOCTYPE html>
<html>
<body>

<h1>The XMLHttpRequest Object</h1>

<button type="button" onclick="loadDoc()">Request data</button>

<p id="demo"></p>

<script>
function loadDoc() {
    var xhttp = new XMLHttpRequest();
    xhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            document.getElementById("demo").innerHTML = this.responseText;
        }
    };
    xhttp.open("POST", "AJAXTextFile.txt", true);
    xhttp.send();
}
</script>

</body>
</html>
```

```
//data.json
{"name": "Virat", "country": "India"}
```

```

<html><head><script type = "text/javascript">
    function loadJSON(){
        /*var data_file = "http://www.tutorialspoint.com/json/data.json";*/
        var data_file = "data.json";
        var http_request = new XMLHttpRequest();

        try{
            // Opera 8.0+, Firefox, Chrome, Safari
            http_request = new XMLHttpRequest();
        }catch (e){
            // Internet Explorer Browsers
            try{
                http_request = new ActiveXObject("Msxml2.XMLHTTP");
            }catch (e) {
                try{
                    http_request = new ActiveXObject("Microsoft.XMLHTTP");
                }catch (e){
                    // Something went wrong
                    alert("Your browser broke!");
                    return false;
                }
            }
        }
        http_request.onreadystatechange = function(){
            if (http_request.readyState == 4 ) {
                // Javascript function JSON.parse to parse JSON data
                var jsonObj = JSON.parse(http_request.responseText);
                // jsonObj variable now contains the data structure and can
                // be accessed as jsonObj.name and jsonObj.country.
                document.getElementById("Name").innerHTML = jsonObj.name;
                document.getElementById("Country").innerHTML = jsonObj.country;
            }
            http_request.open("GET", data_file, true);
            http_request.send(); }
        </script>    </head>

<body>
    <h1>Cricketer Details</h1>

    <table class = "src">
        <tr><th>Name</th><th>Country</th></tr>
        <tr><td><div id = "Name">Sachin</div></td>
        <td><div id = "Country">India</div></td></tr>
    </table>

    <div class = "central">
        <button type = "button" onclick = "loadJSON()">Update Details </button>
    </div>

</body>

</html>

```

```

<html>
<head>
  <meta content = "text/html; charset = ISO-8859-1" http-equiv = "content-type">

  <script type = "application/javascript">
    function loadJSON() {
      var data_file = "data.json";
      var http_request = new XMLHttpRequest();
      try{
        // Opera 8.0+, Firefox, Chrome, Safari
        http_request = new XMLHttpRequest();
      }catch (e) {
        // Internet Explorer Browsers
        try{
          http_request = new ActiveXObject("Msxml2.XMLHTTP");

        }catch (e) {

          try{
            http_request = new ActiveXObject("Microsoft.XMLHTTP");
          }catch (e) {
            // Something went wrong
            alert("Your browser broke!");
            return false;
          }
        }
      }

      http_request.onreadystatechange = function() {

        if (http_request.readyState == 4 ) {
          // Javascript function JSON.parse to parse JSON data
          var jsonObj = JSON.parse(http_request.responseText);

          // jsonObj variable now contains the data structure and can
          // be accessed as jsonObj.name and jsonObj.country.
          document.getElementById("Name").innerHTML = jsonObj.name;
          document.getElementById("Country").innerHTML = jsonObj.country;
        }
      }

      http_request.open("GET", data_file, true);
      http_request.send();
    }

  </script>

  <title>tutorialspoint.com JSON</title>
</head>

<body>
  <h1>Cricketer Details</h1>

  <table class = "src">
    <tr><th>Name</th><th>Country</th></tr>
    <tr><td><div id = "Name">Sachin</div></td>
    <td><div id = "Country">India</div></td></tr>
  </table>

  <div class = "central">
    <button type = "button" onclick = "loadJSON()">Update Details </button>
  </div>

</body>

</html>

```

```
<!DOCTYPE html>
<html>
<body>

<h1>The XMLHttpRequest Object</h1>

<p>The getResponseHeader() function is used to return specific header information from a resource, like length, server-type, content-type, last-modified, etc:</p>

<p>Last modified: <span id="demo"></span></p>

<script>
var xhttp=new XMLHttpRequest();
xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
        document.getElementById("demo").innerHTML =
            this.getResponseHeader("Last-Modified")+this.getResponseHeader("Content-type")+
            this.getResponseHeader("Content-length");
    }
};
xhttp.open("GET", "AJAXTextFile.txt", true);
xhttp.send();
</script>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>

<h1>The XMLHttpRequest Object</h1>

<p>The getAllResponseHeaders() function returns all the header information of a resource,
like length, server-type, content-type, last-modified, etc:</p>

<p id="demo"></p>

<script>
var xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
        document.getElementById("demo").innerHTML =
            this.getAllResponseHeaders();
    }
};
xhttp.open("GET", "AJAXTextFile.txt", true);
xhttp.send();
</script>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<body>

<h1>The XMLHttpRequest Object</h1>

<button type="button" onclick="loadDoc()">Request data</button>

<p id="demo"></p>

<script>
function loadDoc() {
    var xhttp = new XMLHttpRequest();
    xhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            document.getElementById("demo").innerHTML = this.responseText;
        }
    };
    xhttp.open("POST", "demo_post2.asp", true);
    xhttp.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
    xhttp.send("fname=Henry&lname=Ford");
}
</script>

</body>
</html>
```



```
<?xml version="1.0" encoding="UTF-8"?>
<CATALOG>
  <CD>
    <TITLE>Empire Burlesque</TITLE>
    <ARTIST>Bob Dylan</ARTIST>
    <COUNTRY>USA</COUNTRY>
    <COMPANY>Columbia</COMPANY>
    <PRICE>10.90</PRICE>
    <YEAR>1985</YEAR>
  </CD>
  <CD>
    <TITLE>Hide your heart</TITLE>
    <ARTIST>Bonnie Tyler</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>CBS Records</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1988</YEAR>
  </CD>
  <CD>
    <TITLE>Greatest Hits</TITLE>
    <ARTIST>Dolly Parton</ARTIST>
    <COUNTRY>USA</COUNTRY>
    <COMPANY>RCA</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1982</YEAR>
  </CD>
  <CD>
    <TITLE>Still got the blues</TITLE>
    <ARTIST>Gary Moore</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>Virgin records</COMPANY>
    <PRICE>10.20</PRICE>
    <YEAR>1990</YEAR>
  </CD>
  <CD>
    <TITLE>Eros</TITLE>
    <ARTIST>Eros Ramazzotti</ARTIST>
    <COUNTRY>EU</COUNTRY>
    <COMPANY>BMG</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1997</YEAR>
  </CD>
  <CD>
    <TITLE>One night only</TITLE>
    <ARTIST>Bee Gees</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>Polydor</COMPANY>
    <PRICE>10.90</PRICE>
    <YEAR>1998</YEAR>
  </CD>
  <CD>
    <TITLE>Sylvias Mother</TITLE>
    <ARTIST>Dr.Hook</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>CBS</COMPANY>
    <PRICE>8.10</PRICE>
    <YEAR>1973</YEAR>
  </CD>
  <CD>
    <TITLE>Maggie May</TITLE>
    <ARTIST>Rod Stewart</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>Pickwick</COMPANY>
    <PRICE>8.50</PRICE>
    <YEAR>1990</YEAR>
  </CD>
  <CD>
    <TITLE>Romanza</TITLE>
    <ARTIST>Andrea Bocelli</ARTIST>
```

```
<COUNTRY>EU</COUNTRY>
<COMPANY>Polydor</COMPANY>
<PRICE>10.80</PRICE>
<YEAR>1996</YEAR>
</CD>
<CD>
  <TITLE>When a man loves a woman</TITLE>
  <ARTIST>Percy Sledge</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>Atlantic</COMPANY>
  <PRICE>8.70</PRICE>
  <YEAR>1987</YEAR>
</CD>
<CD>
  <TITLE>Black angel</TITLE>
  <ARTIST>Savage Rose</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>Mega</COMPANY>
  <PRICE>10.90</PRICE>
  <YEAR>1995</YEAR>
</CD>
<CD>
  <TITLE>1999 Grammy Nominees</TITLE>
  <ARTIST>Many</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>Grammy</COMPANY>
  <PRICE>10.20</PRICE>
  <YEAR>1999</YEAR>
</CD>
<CD>
  <TITLE>For the good times</TITLE>
  <ARTIST>Kenny Rogers</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>Mucik Master</COMPANY>
  <PRICE>8.70</PRICE>
  <YEAR>1995</YEAR>
</CD>
<CD>
  <TITLE>Big Willie style</TITLE>
  <ARTIST>Will Smith</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>Columbia</COMPANY>
  <PRICE>9.90</PRICE>
  <YEAR>1997</YEAR>
</CD>
<CD>
  <TITLE>Tupelo Honey</TITLE>
  <ARTIST>Van Morrison</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>Polydor</COMPANY>
  <PRICE>8.20</PRICE>
  <YEAR>1971</YEAR>
</CD>
<CD>
  <TITLE>Soulsville</TITLE>
  <ARTIST>Jorn Hoel</ARTIST>
  <COUNTRY>Norway</COUNTRY>
  <COMPANY>WEA</COMPANY>
  <PRICE>7.90</PRICE>
  <YEAR>1996</YEAR>
</CD>
<CD>
  <TITLE>The very best of</TITLE>
  <ARTIST>Cat Stevens</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>Island</COMPANY>
  <PRICE>8.90</PRICE>
  <YEAR>1990</YEAR>
</CD>
```

```
<CD>
  <TITLE>Stop</TITLE>
  <ARTIST>Sam Brown</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>A and M</COMPANY>
  <PRICE>8.90</PRICE>
  <YEAR>1988</YEAR>
</CD>
<CD>
  <TITLE>Bridge of Spies</TITLE>
  <ARTIST>T'Pau</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>Siren</COMPANY>
  <PRICE>7.90</PRICE>
  <YEAR>1987</YEAR>
</CD>
<CD>
  <TITLE>Private Dancer</TITLE>
  <ARTIST>Tina Turner</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>Capitol</COMPANY>
  <PRICE>8.90</PRICE>
  <YEAR>1983</YEAR>
</CD>
<CD>
  <TITLE>Midt om natten</TITLE>
  <ARTIST>Kim Larsen</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>Medley</COMPANY>
  <PRICE>7.80</PRICE>
  <YEAR>1983</YEAR>
</CD>
<CD>
  <TITLE>Pavarotti Gala Concert</TITLE>
  <ARTIST>Luciano Pavarotti</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>DECCA</COMPANY>
  <PRICE>9.90</PRICE>
  <YEAR>1991</YEAR>
</CD>
<CD>
  <TITLE>The dock of the bay</TITLE>
  <ARTIST>Otis Redding</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>Stax Records</COMPANY>
  <PRICE>7.90</PRICE>
  <YEAR>1968</YEAR>
</CD>
<CD>
  <TITLE>Picture book</TITLE>
  <ARTIST>Simply Red</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>Elektra</COMPANY>
  <PRICE>7.20</PRICE>
  <YEAR>1985</YEAR>
</CD>
<CD>
  <TITLE>Red</TITLE>
  <ARTIST>The Communards</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>London</COMPANY>
  <PRICE>7.80</PRICE>
  <YEAR>1987</YEAR>
</CD>
<CD>
  <TITLE>Unchain my heart</TITLE>
  <ARTIST>Joe Cocker</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>EMI</COMPANY>
```

<PRICE>8.20</PRICE>
<YEAR>1987</YEAR>
</CD>
</CATALOG>

```
<!DOCTYPE html>
<html>
<body>

<h1>The XMLHttpRequest Object</h1>

<p id="demo"></p>

<script>
var xhttp, xmlDoc, txt, x, i;
xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
if (this.readyState == 4 && this.status == 200) {
    xmlDoc = this.responseXML;
    txt = "";
    x = xmlDoc.getElementsByTagName("ARTIST");
    for (i = 0; i < x.length; i++) {
        txt = txt + x[i].childNodes[0].nodeValue + "<br>";
    }
    document.getElementById("demo").innerHTML = txt;
}
};
xhttp.open("GET", "cd_catalog.xml", true);
xhttp.send();
</script>

</body>
</html>
```

```

<!DOCTYPE html>
<html>
<style>
table,th,td {
    border : 1px solid black;
    border-collapse: collapse;
}
th,td {
    padding: 5px;
}
</style>
<body>

<h1>The XMLHttpRequest Object</h1>

<button type="button" onclick="loadDoc()">Get my CD collection</button>
<br><br>
<table id="demo"></table>

<script>
function loadDoc() {
    var xhttp = new XMLHttpRequest();
    xhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            myFunction(this);
        }
    };
    xhttp.open("GET", "cd_catalog.xml", true);
    xhttp.send();
}
function myFunction(xml) {
    var i;
    var xmlDoc = xml.responseXML;
    var table="<tr><th>Artist</th><th>Title</th></tr>";
    var x = xmlDoc.getElementsByTagName( "CD" );
    for (i = 0; i <x.length; i++) {
        table += "<tr><td>" +
        x[i].getElementsByTagName( "ARTIST" )[0].childNodes[0].nodeValue +
        "</td><td>" +
        x[i].getElementsByTagName( "TITLE" )[0].childNodes[0].nodeValue +
        "</td></tr>";
    }
    document.getElementById("demo").innerHTML = table;
}
</script>

</body>
</html>

```