JSON - string

```
<html>
<head>
   <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
   <script>
      $(document).ready(function() {
         $("button").click(function() {
            var str = '{';
            str += '"name":"ggoreb", ';
            str += '"age":20, ';
            str += '"hobby":["당구", "수영"]';
            str += '}';

            var transObj = $.parseJSON(str); // JSON String => JSON 변환
            var html = "name : " + transObj.name + "<br>";
            html += "age : " + transObj.age + "<br>";
            html += "hobby : " + transObj.hobby[0];
            html += ", " + transObj.hobby[1];
            $("div").html(html);
         });
      });
   </script>
</head>
<body>
   <button>변환</button>
   <div></div>
</body>
</html>
```

JSON – object

```
<html>
<head>
    <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
    <script>
        $(document).ready(function() {
            $("button").click(function() {
                var obj = {
                    name : "ggoreb",
                    age : 20,
                    hobby : ["당구", "수영"]
                };
                var html = "";
                html += "name : " + obj.name + "<br>";
                html += "age : " + obj.age + "<br>";
                html += "hobby : " + obj.hobby[0];
                html += ", " + obj.hobby[1];
                $("div").html(html);
            });
        });
    </script>
</head>

<body>
    <button>변환</button>
    <div></div>
</body>
</html>
```

AJAX – Cross Domain

```html
<html>
<head>
    <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
    <script>
      $(document).ready(function() {
          $("button").click(function() {
              $.ajax({
                  url : "http://www.naver.com",
                  type : "get",
                  data : {},
                  success : function(res) {
                      $("div").html(res);
                  }
              });
          });
      });
    </script>
</head>

<body>
   <button>데이터 가져오기</button>
   <div></div>
</body>
</html>
```

> ⊗ XMLHttpRequest cannot load http://www.naver.com/. No 'Access-Control-Allow-Origin' header is present on the requested resource.

AJAX – Cross Domain

```html
<html>
<head>
    <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
    <script>
        $(document).ready(function() {
            $("button").click(function() {
                $.ajax({
                    url : "http://ggoreb.com/ajax/html1.jsp",
                    type : "get",
                    data : {},
                    success : function(res) {
                        $("div").html(res);
                    }
                });
            });
        });
    </script>
</head>

<body>
    <button>데이터 가져오기</button>
    <div></div>
</body>
</html>
```

> ⊗ XMLHttpRequest cannot load http://ggoreb.com/ajax/html1.jsp. No 'Access-Control-
> Allow-Origin' header is present on the requested resource. Origin 'null' is theref(
> allowed access.

AJAX – CORS (Cross Origin Resource Sharing)

```html
<html>
<head>
    <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
    <script>
        $(document).ready(function() {
            $("button").click(function() {
                $.ajax({
                    url : "http://ggoreb.com/ajax/html2.jsp",
                    type : "get",
                    data : {},
                    success : function(res) {
                        $("div").html(res);
                    }
                });
            });
        });
    </script>
</head>

<body>
    <button>데이터 가져오기</button>
    <div></div>
</body>
</html>
```

```jsp
<%@page language="java" contentType="text/html;charset=utf-8
<%
    response.addHeader("Access-Control-Allow-Origin", "*");
%>
<html>
<head>
</head>
<body>
    <h1>아이디</h1>
    <h1>비밀번호</h1>
</body>
</html>
```

AJAX – CORS (Cross Origin Resource Sharing)

```html
<html>
<head>
   <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
   <script>
      $(document).ready(function() {
         $("button").click(function() {
            $.ajax({
               url : "http://ggoreb.com/ajax/json2.jsp",
               type : "get",
               data : {},
               success : function(res) {
                  var id = res.id;
                  var pw = res.pw;
                  var html = "<h1>" + id + "</h1>";
                  html += "<h1>" + pw + "</h1>";
                  $("div").html(html);
               }
            });
         });
      });
   </script>
</head>
<body>
   <button>데이터 가져오기</button>
   <div></div>
</body>
</html>
```

```
{
    "id": "아이디",
    "pw": "비밀번호"
}
```

```jsp
<%@page language="java" contentType="application/json;charse
<%
    response.addHeader("Access-Control-Allow-Origin", "*");
%>
{
    "id" : "아이디",
    "pw" : "비밀번호"
}
```

AJAX – CORS (Cross Origin Resource Sharing)

```html
<html>
<head>
    <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
    <script>
        $(document).ready(function() {
            $("button").click(function() {
                $.ajax({
                    url : "http://ggoreb.com/ajax/jsonString2.jsp",
                    type : "get",
                    data : {},
                    success : function(res) {
                        res = $.parseJSON(res);
                        var id = res.id;     var pw = res.pw;
                        var html = "<h1>" + id + "</h1>";
                        html += "<h1>" + pw + "</h1>";
                        $("div").html(html);
                    }
                });
            });
        });
    </script>
</head>
<body>
    <button>데이터 가져오기</button>
    <div></div>
</body>
</html>
```

```
{ "id" : "아이디", "pw" : "비밀번호" }
```

```jsp
<%@page language="java" contentType="text/html;charset=utf-8
<%
    response.addHeader("Access-Control-Allow-Origin", "*");
%>
{
    "id" : "아이디",
    "pw" : "비밀번호"
}
```

AJAX – JSONP (JSON with Padding)

```html
<html>
<head>
    <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
    <script>
        function callback(res) {
            $("div").html(res);
        }
    </script>
</head>

<body>
    <div></div>
    <script src="http://ggoreb.com/ajax/html3.jsp?callback=callback"></script>
</body>
</html>
```

```jsp
<%@page language="java" contentType="text/html;charset=utf-8
<%
    String content = "<h1>아이디</h1>";
    content += "<h1>비밀번호</h1>";
%>
<%=request.getParameter("callback")%>("<%=content%>");
```

AJAX – JSONP (JSON with Padding)

```html
<html>
<head>
   <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
   <script>
      $(document).ready(function() {
         $("button").click(function() {
            var html = "";
            html += "<script src='http://ggoreb.com/ajax/html3.jsp?";
            html += "callback=callback'>";
            $("body").append(html);
         });
      });

      function callback(res) {
         $("div").html(res);
      }
   </script>
</head>

<body>
   <button>데이터 가져오기</button>
   <div></div>
</body>
</html>
```

```jsp
<%@page language="java" contentType="text/html;charset=utf-8
<%
    String content = "<h1>아이디</h1>";
    content += "<h1>비밀번호</h1>";
%>
<%=request.getParameter("callback")%>("<%=content%>");
```
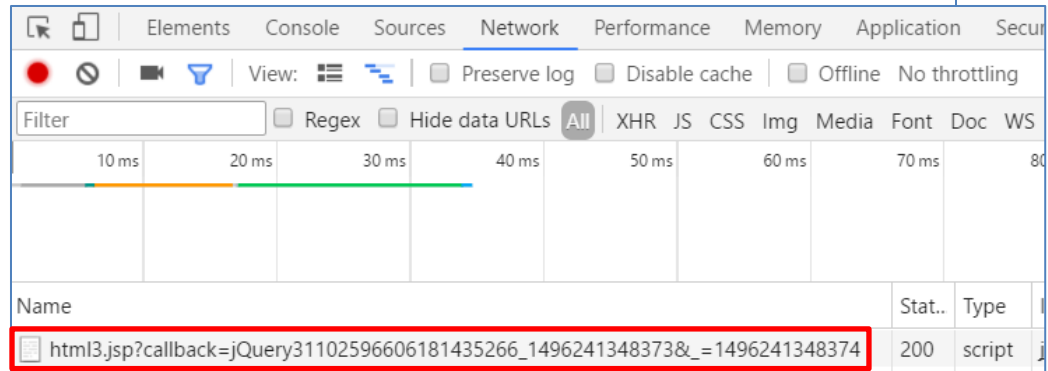
AJAX – JSONP (JSON with Padding)

```html
<html>
<head>
    <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
    <script>
      $(document).ready(function() {
          $("button").click(function() {
              $.ajax({
                  url : "http://ggoreb.com/ajax/html3.jsp",
                  type : "get",
                  dataType : "jsonp",
                  data : {},
                  success : function(res) {
                      $("div").html(res);
                  }
              });
          });
      });
    </script>
</head>
<body>
    <button>데이터 가져오기</button>
    <div></div>
</body>
</html>
```

Elements Console Sources Network Performance Memory Application Secur

View: | Preserve log Disable cache Offline No throttling

Filter Regex Hide data URLs All XHR JS CSS Img Media Font Doc WS

| 10 ms | 20 ms | 30 ms | 40 ms | 50 ms | 60 ms | 70 ms | 80 |

Name	Stat..	Type	
html3.jsp?callback=jQuery31102596606181435266_1496241348373&_=1496241348374	200	script	

AJAX – JSONP (JSON with Padding)

```html
<html>
<head>
    <script src="http://code.jquery.com/jquery-3.1.1.min.js"></script>
    <script>
        $(document).ready(function() {
            $("button").click(function() {
                $.ajax({
                    url : "http://ggoreb.com/ajax/json3.jsp",
                    type : "get",
                    dataType : "jsonp",
                    data : {},
                    success : function(res) {
                        $("div").html(res);
                    }
                });
            });
        });
    </script>
</head>
<body>
    <button>데이터 가져오기</button>
    <div></div>
</body>
</html>
```