

JQuery Ajax

The other methods that are available in jQuery to make ajax requests are load(), get(), post(). All these methods are wrapper methods and uses ajax() method under the hood.

```
$.ajax({
    url: 'GetHelpText.aspx',
    data: { HelpTextKey: helpDiv },
    method: 'post',
    dataType: 'xml',
    success: function (response) {
        var jQueryXml = $(response);
        var textElement = jQueryXml.find("Text");

        $('#'+ helpDiv + 'HelpDiv').html(textElement.text());
    }
});
```

- Calling **WCF** services using jquery ajax

The retrieved data should be displayed

ID :	3	Get Employee
Name	John	
Gender	Male	
Salary	45000	

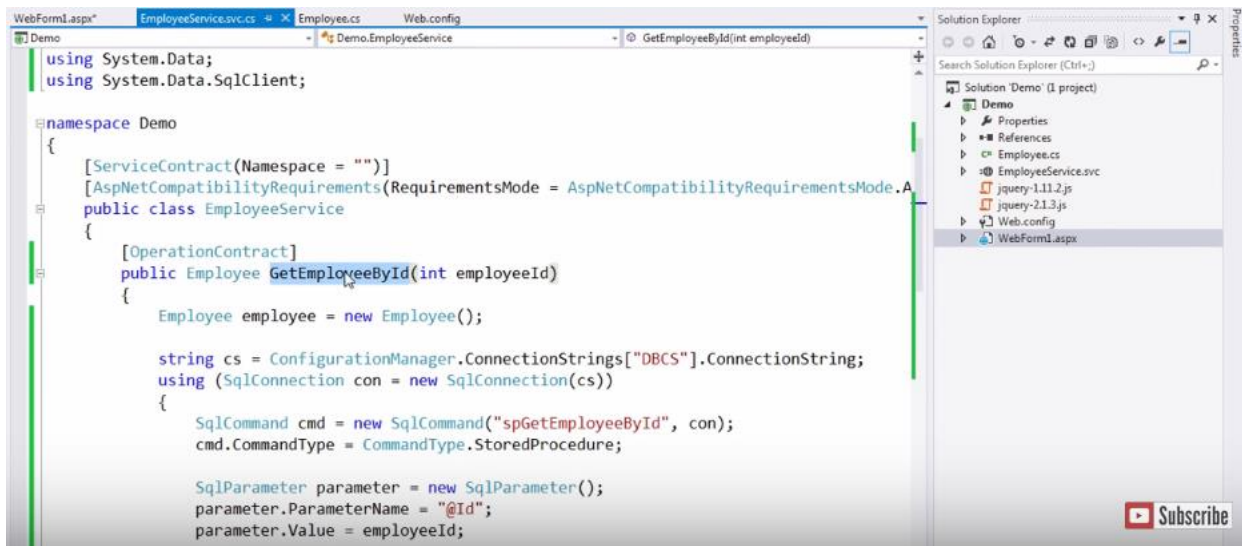
```
Create table tblEmployee
(
    Id int primary key identity,
    Name nvarchar(50),
    Gender nvarchar(10),
    Salary int
)
```

```
Create procedure spGetEmployeeById
@Id int
as
Begin
    Select ID, Name, Gender, Salary
    from tblEmployee
    where ID = @Id
End

Execute spGetEmployeeById 2
```

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace Demo
{
    public class Employee
    {
        public int ID { get; set; }
        public string Name { get; set; }
        public string Gender { get; set; }
        public int Salary { get; set; }
    }
}
```

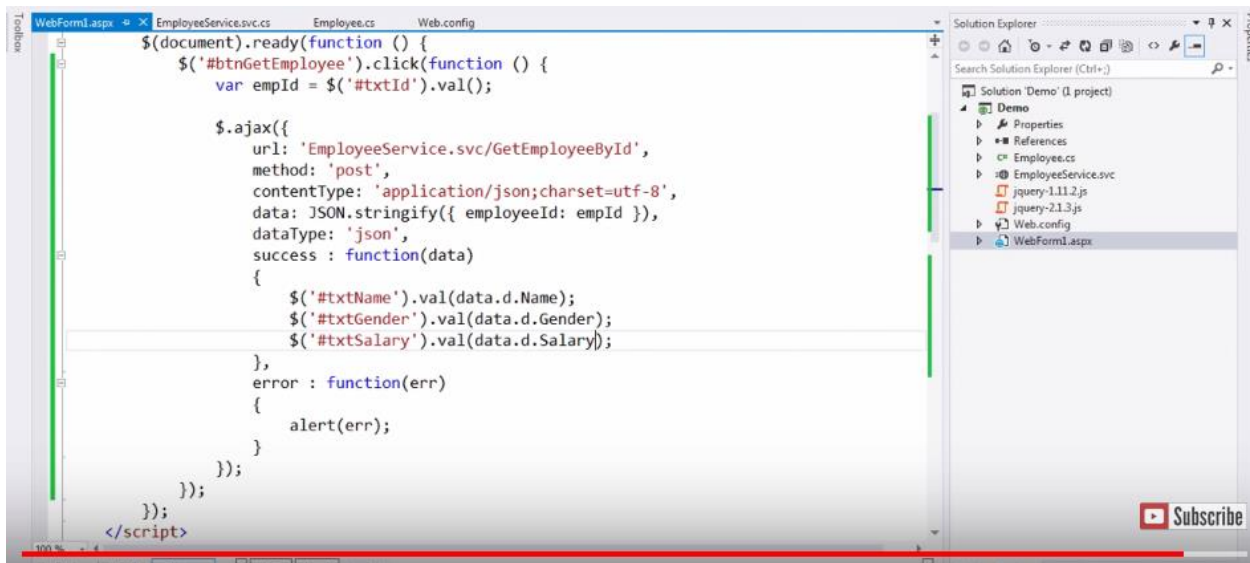


```
using System.Data;
using System.Data.SqlClient;

namespace Demo
{
    [ServiceContract(Namespace = "")]
    [AspNetCompatibilityRequirements(RequirementsMode = AspNetCompatibilityRequirementsMode.Allowed)]
    public class EmployeeService
    {
        [OperationContract]
        public Employee GetEmployeeById(int employeeId)
        {
            Employee employee = new Employee();

            string cs = ConfigurationManager.ConnectionStrings["DBCS"].ConnectionString;
            using (SqlConnection con = new SqlConnection(cs))
            {
                SqlCommand cmd = new SqlCommand("spGetEmployeeById", con);
                cmd.CommandType = CommandType.StoredProcedure;

                SqlParameter parameter = new SqlParameter();
                parameter.ParameterName = "@Id";
                parameter.Value = employeeId;
```



```
$(document).ready(function () {
    $('#btnGetEmployee').click(function () {
        var empId = $('#txtId').val();

        $.ajax({
            url: 'EmployeeService.svc/GetEmployeeById',
            method: 'post',
            contentType: 'application/json; charset=utf-8',
            data: JSON.stringify({ employeeId: empId }),
            dataType: 'json',
            success: function(data)
            {
                $('#txtName').val(data.d.Name);
                $('#txtGender').val(data.d.Gender);
                $('#txtSalary').val(data.d.Salary);
            },
            error: function(err)
            {
                alert(err);
            }
        });
    });
});
</script>
```

If contentType is mentioned then data that we have to pass to the server is json string. So data have to be sent in `JSON.stringify({})`.

datatype is json so in service return type would be void, we don't have to return any object.

```
JavaScriptSerializer js = new JavaScriptSerializer();
Context.Response.Write(js.Serialize(employee));
```

This is the json string output : `{"ID":1,"Name":"Mark","Gender":"Male","Salary":50000}`

When content type is not used: the return type of the service would be class object.

1. contentType option is no longer required, so you may remove it
2. You don't have to convert the data that you are sending to the server to JSON string
3. The JSON object returned from the server will not have property d

```
$(document).ready(function () {  
    $('#btnGetEmployee').click(function () {  
        var empId = $('#txtId').val();  
        $.ajax({  
            url: 'EmployeeService.asmx/GetEmployeeById',  
            data: { employeeId: empId },  
            dataType: "json",  
            method: 'post',  
            success: function (data) {  
                $('#txtName').val(data.Name);  
                $('#txtGender').val(data.Gender);  
                $('#txtSalary').val(data.Salary);  
            },  
            error: function (err) {  
                alert(err);  
            }  
        });  
    });  
});
```