Ajax –XML/JSON

Using the following

JQuery-Ajax: <https://www.w3schools.com/jquery/ajax_ajax.asp>

<http://www.jquerybyexample.net/2012/04/read-and-process-xml-using-jquery-ajax.html>

<https://www.w3schools.com/js/js_json_intro.asp>

1.- What is the primary method JQuery offers to use Ajax? Explain the following parameters of this method: url, type, dataType, data, success and error

Primary method: $.ajax()

**URL : Specifies the URL to send the request to. Default is the current page**

**Type: Specifies the type of request**

**dataType: Data type expected of the server response**

**data: Specifies the data sent to the server**

**success: Function that will run when the request succeeds**

**error: Function to run when the request fails**

2.- What is a callback function?

**Executed to prevent errors when statements are called line by line and the run hasn’t finished**

**Executed after the current effect is finished**

3.- Describe de $.each JQuery function

**Used to iterate over any collection, whether is an object or an array.**

**Retrieves and uses the length of the passed collection.**

4.- Describe the shorthand JQuery methods: $.get, $.post

**jQuery XHR Object, it represents the get method**

**Example :**

**Var jgxhr = $.get(“example.php”, function () {**

**Alert(“sucess”)});**

**$.post = Load data from the server using http Post Request**

**Pages fetched by Post are never cached**

5.- Describe what is XML. Show an example of an xml file. Include at least 3 different tags.

**Stands for Extensible Markup Language, designed to store and transport data.**

**Example:**

**<?xml version="1.0" encoding="UTF-8"?>  
<note>  
  <to>Tove</to>  
  <from>Jani</from>  
  <heading>Reminder</heading>  
  <body>Don't forget me this weekend!</body>  
</note>**

6.- What is JSON?

**Javascript Object Notation, helps transfer and get information in an easier way**

7.- How a Json object is represented? Show an example

**Example:**

**Var myJSON = ‘{“name”: “Alejandra”, “age”: 22, “city” : “Torreon”}’**

8.- How an array is represented in JSON? What types can be included?

**Its represented between {} and the strings inside “ ”**

9.- Why JSON is commonly used to pass structured data instead of XML?

**Because its only text and its easier to be sent to and from the server**

10.- Describe what JSON.parse() and JSON.stringify() do. Show an example.

**Parse : Data becomes a Javascript object.**

**Stringify: Convert the object into a string**