

```

1 // Hello.
2 //
3 // This is JSHint, a tool that helps to detect errors and potential
4 // problems in your JavaScript code.
5 //
6 // To start, simply enter some JavaScript anywhere on this page. Your
7 // report will appear on the right side.
8 //
9 // Additionally, you can toggle specific options in the Configure
10 // menu.
11
12 var xhr=new XMLHttpRequest();
13 var xmldoc;
14 window.onload= function getXMLFile() {
15
16     xhr.onreadystatechange = function() {
17         document.getElementById("answercal").addEventListener("onclick", function(){getGrade();
18             if (xhr.readyState == 4 && xhr.status == 200) {
19                 xmldoc = xhr.responseXML;
20                 processXML();
21             }
22         });
23     };
24     xhr.open("GET", "FinalQuiz.xml", true);
25     xhr.send();
26 }
27
28
29
30 function processXML() {
31
32     var i;
33     //get data as xml file
34
35     //start table
36     var table = "";
37     //process data by record
38     var x = xmldoc.getElementsByTagName("question");
39
40     for (i = 0; i < x.length; i++) {
41         //alert(x[i].getElementsByTagName("qtitle")[0].childNodes[0].nodeValue);
42         table += "<tr><td>*(i+1)*" +
43             x[i].getElementsByTagName("qtitle")[0].childNodes[0].nodeValue +
44             "</td></tr><tr><td><input class='answers' type='radio name='answer'+i+' value=a>"
45             x[i].getElementsByTagName("a")[0].childNodes[0].nodeValue +
46             "</td></tr><tr><td> <input class='answers' type='radio name='answer'+i+' value=b>"
47             x[i].getElementsByTagName("b")[0].childNodes[0].nodeValue +
48             "</td></tr><tr><td> <input class='answers' type='radio name='answer'+i+' value=c>"
49             x[i].getElementsByTagName("c")[0].childNodes[0].nodeValue +
50             "</td></tr><tr><td> <input class='answers' type='radio name='answer'+i+' value=d>"
51             x[i].getElementsByTagName("d")[0].childNodes[0].nodeValue +
52             "</td></tr><tr><td><br>" ;
53     }
54     document.getElementById("displayContent").innerHTML = table;
55
56 }
57
58 var Your_Answer= [];
59 var y;
60
61 function getGrade(xhr){
62     var grade=0;
63     var YourAnswer = document.getElementsByClassName('answers');
64
65     for(var i = 0; i < YourAnswer.length; i++){
66         if(YourAnswer[i].checked){
67             Your_Answer.push( YourAnswer[i].value);
68         }
69     }
70 }
71
72 //var radioButtons = document.getElementsByClassName("answers").value;
73 var x =xmldoc.getElementsByTagName("rightanswers");
74 for (i = 0; i < x.length; i++){
75     y = x[i].childNodes[0].nodeValue;
76 }
77 var correctAnswer = y.split(',');
78
79 for (i = 0; i <Your_Answer.length; i++){
80
81     if (correctAnswer[i]==Your_Answer[i]){
82         grade++;
83     }
84 }
85
86 }
87
88
89
90
91     document.getElementById("grade").innerHTML ="Your grade is "+ grade+"/5";
92
93 }
94
95
96
97
98
99
100
101
102
103

```

CONFIGURE

Metrics

There are 5 functions in this file.

Function with the largest signature take 1 arguments, while the median is 0.

Largest function has 13 statements in it, while the median is 4.

The most complex function has a cyclomatic complexity value of 6 while the median is 2.

JSHint

version 2.13.4

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