Quiz - Counts Radio Button Values

Asked 6 years, 9 months ago   Active 7 months ago   Viewed 14k times

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I'm trying to create a Quiz for a Spanish class. I have little experience with JavaScript, but am fairly proficient with html and CSS. I have a question and followed by three radio buttons with answers. There are two incorrect answers and a correct answer. I have 45 questions total.

```html
<form name="quiz" method="post" name="buttons" id="form" onsubmit="return totalVal()">

<li><div class="question">¿Quién detestan la nueva casa?</div></li>
<input id="answer" type="radio" name="group1" value="wrong"> Josh<br>
<input id="answer" type="radio" name="group1" value="wrong"> Amanda<br>
<input id="answer" type="radio" name="group1" value="correct"> Josh y Amanda<hr>

<li><div class="question">¿Quién es señor Dawes?</div></li>
<input id="answer" type="radio" name="group2" value="wrong">Un familia amigo<br>
<input id="answer" type="radio" name="group2" value="wrong">Un gato<br>
<input id="answer" type="radio" name="group2" value="correct">Un amable joven de la
agencia de bienes raíces<hr>

<li><div class="question">¿Quién qué sus buscan?</div></li>
<input id="answer" type="radio" name="group3" value="wrong">Josh<br>
<input id="answer" type="radio" name="group3" value="wrong"> Petey<br>
<input id="answer" type="radio" name="group3" value="correct" >Josh y Petey<hr>

<button class="submit" onclick="showTotalvalue();" type="submit">Submit</button></div>
```

I want to use some basic Javascript to count all the "correct" radio button values and output to a new page or alert box that displays after the user clicks submit.

I found this in my research. In my googling, I haven't been able to find a snippet of code that counts the "correct" values. The link above is the closest I've gotten. I attached the JavaScript that I changed to fit my situation from the suggestion on the other post.

```javascript
totalVal = 0;

// calculate the total number of corrects clicked

for (y = 0; y = incorrectOfQuestion; y++) {
    var questionNo = document.getElementsByName("questions" + y);
    for (i = 0; i < questionNo.length; i++) {
        if (document.myform.questions[i].checked == true) {
```

Any assistance is greatly appreciated as I am in a time crunch! Thank you!

javascript   html   count   radio-button

edited Sep 9 '13 at 18:21   asked Dec 18 '12 at 15:06
Will   technogeek1995
115k   47   291   380   **1,368**   2   18   29

What is `parseInt(..., 45)` supposed to do? You're calculating in base 45, but I don't see why you would want that. – pimvdb Dec 18 '12 at 15:14

this task would be made much simplier if you used JQuery, jquery.com – Liam Dec 18 '12 at 15:14

@pimvdb - my guess is that the OP thought that the radix parameter was related the the number of questions. – j08691 Dec 18 '12 at 15:15

@pimvdb It thought that was total number of questions from the link above. – technogeek1995 Dec 18 '12 at 15:17

2 Answers

This should be the code you require to get it working with an alert box:

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```
function handleClick()
 {
var amountCorrect = 0;
for(var i = 1; i <= 45; i++) {
  var radios = document.getElementsByName('group'+i);
  for(var j = 0; j < radios.length; j++) {
    var radio = radios[j];
    if(radio.value == "correct" && radio.checked) {
      amountCorrect++;
    }
  }
 }
   alert("Correct Responses: " + amountCorrect);
 }


<form name="quiz" method="post" name="buttons" id="quiz" onsubmit="return
false">

<li><div class="question">¿Quién detestan la nueva casa?</div></li>
<input id="answer" type="radio" name="group1" value="wrong"> Josh<br>
<input id="answer" type="radio" name="group1" value="wrong"> Amanda<br>
<input id="answer" type="radio" name="group1" value="correct"> Josh y Amanda<hr>

<li><div class="question">¿Quién es señor Dawes?</div></li>
<input id="answer" type="radio" name="group2" value="wrong">Un familia amigo<br>
<input id="answer" type="radio" name="group2" value="wrong">Un gato<br>
```

```
        <input id="answer" type="radio" name="group3" value="wrong">Josh<br>
        <input id="answer" type="radio" name="group3" value="wrong"> Petey<br>
        <input id="answer" type="radio" name="group3" value="correct" >Josh y Petey<hr>

        <button class="submit" onclick="return handleClick();"
type="submit">Submit</button>

        </form>
```

Run code snippet	Expand snippet

@pimvdb had used the === operator when checking for the "correct" string which does not allow type conversion and was therefore failing. He also used getElementsByClassName but the elements do not have a class applied to them so this was incorrect.

The working version can be found in the fiddle below. As you can see the onsubmit of the form has been set to "return false" to stop the form from posting.

http://jsfiddle.net/g45nG/1/

edited Mar 7 at 5:01   answered Dec 18 '12 at 16:37
user9953286   jezzipin
                                                     2,761   12   36   75

I'm not sure why `===` wouldn't work here. What type conversion is done with `==` in this case? – pimvdb Dec 18 '12 at 17:02 ✎

stackoverflow.com/questions/359494/… – jezzipin Dec 18 '12 at 17:25

That should answer your question. In the case above, one is of type string and the other is obviously not so it is best to use == rather than === as this will always fail unless you convert the value of radio.value – jezzipin Dec 18 '12 at 17:28

Is `.value` not a string? If so, what value is it that converts to the string `correct` ? – pimvdb Dec 19 '12 at 6:17 ✎

I think in this case it's returning it as an object from the array and not a string. To make your code work you would first have to change .getElementsByClassName to .getElementsByName and change the radio.value === "correct" to radio.value.toString() === "correct". – jezzipin Dec 19 '12 at 9:20

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You can loop over each radio group, then loop over each radio button to check whether the correct one is checked.

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```
      var radio = radios[j];
      if(radio.value === "correct" && radio.checked) {
        amountCorrect++;
      }
    }
  }
}
```

edited Dec 19 '12 at 17:05   answered Dec 18 '12 at 15:19

pimvdb
117k   61   277   343

So do I just have this script once? And then call it when the user selects submit? Or do I have 45 scripts? –
technogeek1995 Dec 18 '12 at 15:27

This will handle all of the radio buttons as long as you keep the conventions of your current code (e.g. 45
separate radio button groups and a value of correct on one of the radio buttons in the group). – jezzipin Dec 18
'12 at 15:29

I have separate groups for the radio buttons and the values are all specified. How do I call up the script when
the submit button is selected? I think my submit button and form declarations double calling up the script. I
basically want to either have a a separate page load with the correct that the user selected or an alert box pop
up? How do I give the user feedback on their answers? – technogeek1995 Dec 18 '12 at 15:35

Please see the correct version of this code below. – jezzipin Dec 18 '12 at 16:56