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DOMAIN : WEB DEVELOPMENTS

BATCH : B12 INTERN CROWD 13 FEB

**INPUT CODE:**

* **HTML**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Javascript Quiz</title>

<link rel="stylesheet" href="style1.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-alpha.6/css/bootstrap.min.css">

</head>

<body>

<header class="header bg-primary">

<div class="left-title">JS Quiz</div>

<div class="right-title">Total Questions: <span id="tque"></span></div>

<div class="clearfix"></div>

</header>

<div class="content">

<div class="container-fluid">

<div class="row">

<div class="col-sm-12">

<div id="result" class="quiz-body">

<form name="quizForm" onSubmit="">

<fieldset class="form-group">

<h4><span id="qid">1.</span> <span id="question"></span></h4>

<div class="option-block-container" id="question-options">

</div> <!-- End of option block -->

</fieldset>

<button name="previous" id="previous" class="btn btn-success">Previous</button>

&nbsp;

<button name="next" id="next" class="btn btn-success">Next</button>

</form>

</div>

</div> <!-- End of col-sm-12 -->

</div> <!-- End of row -->

</div> <!-- ENd of container fluid -->

</div> <!-- End of content -->

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-alpha.6/js/bootstrap.min.js"></script>

<script src="app.js"></script>

</body>

</html>

* **css**

.content {

margin-top: 54px;

}

.header {

padding: 15px;

position: fixed;

top: 0;

width: 100%;

z-index: 9999;

}

.left-title {

width: 80px;

color: #fff;

font-size: 18px;

float: left;

}

.right-title {

width: 150px;

text-align: right;

float: right;

color: #fff;

}

.quiz-body {

margin-top: 15px;

padding-bottom: 50px;

}

.option-block-container {

margin-top: 20px;

max-width: 420px;

}

.option-block {

padding: 10px;

background: aliceblue;

border: 1px solid #84c5fe;

margin-bottom: 10px;

cursor: pointer;

}

.result-question {

font-weight: bold;

}

.c-wrong {

margin-left: 20px;

color: #ff0000;

}

.c-correct {

margin-left: 20px;

color: green;

}

.last-row {

border-bottom: 1px solid #ccc;

padding-bottom: 25px;

margin-bottom: 25px;

}

.res-header {

border-bottom: 1px solid #ccc;

margin-bottom: 15px;

padding-bottom: 15px;

}

* **JAVASCRIPT**

/\* Created and coded by Abhilash Narayan \*/

/\* Quiz source: w3schools.com \*/

var quiz = {

"JS": [

{

"id": 1,

"question": "Inside which HTML element do we put the JavaScript?",

"options": [

{

"a": "&lt;script&gt;",

"b": "&lt;javascript&gt;",

"c": "&lt;scripting&gt;",

"d": "&lt;js&gt;"

}

],

"answer": "&lt;script&gt;",

"score": 0,

"status": ""

},

{

"id": 2,

"question": "Where is the correct place to insert a JavaScript?",

"options": [

{

"a": "The &lt;head&gt; section",

"b": "The &lt;body&gt; section",

"c": "Both the &lt;head&gt; section and the &lt;body&gt; section are correct"

}

],

"answer": "Both the &lt;head&gt; section and the &lt;body&gt; section are correct",

"score": 0,

"status": ""

},

{

"id": 3,

"question": "What is the correct syntax for referring to an external script called 'xxx.js'?",

"options": [

{

"a": "&ltscript href=&quot;xxx.js&quot;>",

"b": "&lt;script name=&quot;xxx.js&quot;&gt;",

"c": "&lt;script src=&quot;xxx.js&quot;&gt;"

}

],

"answer": "&lt;script src=&quot;xxx.js&quot;&gt;",

"score": 0,

"status": ""

},

{

"id": 4,

"question": "The external JavaScript file must contain the &lt;script&gt; tag.",

"options": [

{

"a": "True",

"b": "False"

}

],

"answer": "False",

"score": 0,

"status": ""

},

{

"id": 5,

"question": "How do you write &quot;Hello World&quot; in an alert box?",

"options": [

{

"a": "alertBox(&quot;Hello World&quot;);",

"b": "msg(&quot;Hello World&quot;);",

"c": "alert(&quot;Hello World&quot;);",

"d": "msgBox(&quot;Hello World&quot;);",

}

],

"answer": "alert(&quot;Hello World&quot;);",

"score": 0,

"status": ""

},

{

"id": 6,

"question": "How do you create a function in JavaScript?",

"options": [

{

"a": "function myFunction()",

"b": "function:myFunction()",

"c": "function = myFunction()",

}

],

"answer": "function myFunction()",

"score": 0,

"status": ""

},

{

"id": 7,

"question": "How do you call a function named &quot;myFunction&quot;?",

"options": [

{

"a": "call function myFunction()",

"b": "call myFunction()",

"c": "myFunction()",

}

],

"answer": "myFunction()",

"score": 0,

"status": ""

},

{

"id": 8,

"question": "How to write an IF statement in JavaScript?",

"options": [

{

"a": "if i = 5 then",

"b": "if i == 5 then",

"c": "if (i == 5)",

"d": " if i = 5",

}

],

"answer": "if (i == 5)",

"score": 0,

"status": ""

},

{

"id": 9,

"question": "Which of the following is a disadvantage of using JavaScript?",

"options": [

{

"a": "Client-side JavaScript does not allow the reading or writing of files.",

"b": "JavaScript can not be used for Networking applications because there is no such support available.",

"c": "JavaScript doesn't have any multithreading or multiprocess capabilities.",

"d": "All of the above."

}

],

"answer": "All of the above.",

"score": 0,

"status": ""

},

{

"id": 10,

"question": "How to write an IF statement for executing some code if &quot;i&quot; is NOT equal to 5?",

"options": [

{

"a": "if (i <> 5)",

"b": "if i <> 5",

"c": "if (i != 5)",

"d": "if i =! 5 then",

}

],

"answer": "if (i != 5)",

"score": 0,

"status": ""

},

{

"id": 11,

"question": "How does a WHILE loop start?",

"options": [

{

"a": "while i = 1 to 10",

"b": "while (i &lt;= 10; i++)",

"c": "while (i &lt;= 10)"

}

],

"answer": "while (i &lt;= 10)",

"score": 0,

"status": ""

},

{

"id": 12,

"question": "How does a FOR loop start?",

"options": [

{

"a": "for (i = 0; i &lt;= 5)",

"b": "for (i = 0; i &lt;= 5; i++)",

"c": "for i = 1 to 5",

"d": "for (i &lt;= 5; i++)"

}

],

"answer": "for (i = 0; i &lt;= 5; i++)",

"score": 0,

"status": ""

},

{

"id": 13,

"question": "How can you add a comment in a JavaScript?",

"options": [

{

"a": "//This is a comment",

"b": "&sbquo;This is a comment",

"c": "&lt;!--This is a comment--&gt;"

}

],

"answer": "//This is a comment",

"score": 0,

"status": ""

},

{

"id": 14,

"question": "How to insert a comment that has more than one line?",

"options": [

{

"a": "/\*This comment has more than one line\*/",

"b": "//This comment has more than one line//",

"c": "&lt;!--This comment has more than one line--&gt;"

}

],

"answer": "/\*This comment has more than one line\*/",

"score": 0,

"status": ""

},

{

"id": 15,

"question": "What is the correct way to write a JavaScript array?",

"options": [

{

"a": "var colors = (1:&quot;red&quot;, 2:&quot;green&quot;, 3:&quot;blue&quot;)",

"b": "var colors = [&quot;red&quot;, &quot;green&quot;, &quot;blue&quot;]",

"c": "var colors = 1 = (&quot;red&quot;), 2 = (&quot;green&quot;), 3 = (&quot;blue&quot;)",

"d": "var colors = &quot;red&quot;, &quot;green&quot;, &quot;blue&quot;"

}

],

"answer": "var colors = [&quot;red&quot;, &quot;green&quot;, &quot;blue&quot;]",

"score": 0,

"status": ""

},

{

"id": 16,

"question": "How do you round the number 7.25, to the nearest integer?",

"options": [

{

"a": "rnd(7.25)",

"b": "Math.round(7.25)",

"c": "Math.rnd(7.25)",

"d": "round(7.25)"

}

],

"answer": "Math.round(7.25)",

"score": 0,

"status": ""

},

{

"id": 17,

"question": "How do you find the number with the highest value of x and y?",

"options": [

{

"a": "Math.max(x, y)",

"b": "Math.ceil(x, y)",

"c": "top(x, y)",

"d": "ceil(x, y)"

}

],

"answer": "Math.max(x, y)",

"score": 0,

"status": ""

},

{

"id": 18,

"question": "What is the correct JavaScript syntax for opening a new window called &quot;w2&quot;?",

"options": [

{

"a": "w2 = window.new(&quot;http://www.w3schools.com&quot;);",

"b": "w2 = window.open(&quot;http://www.w3schools.com&quot;);"

}

],

"answer": "w2 = window.open(&quot;http://www.w3schools.com&quot;);",

"score": 0,

"status": ""

},

{

"id": 19,

"question": "JavaScript is the same as Java.",

"options": [

{

"a": "true",

"b": "false"

}

],

"answer": "false",

"score": 0,

"status": ""

},

{

"id": 20,

"question": "How can you detect the client&rsquo;s browser name?",

"options": [

{

"a": "navigator.appName",

"b": "browser.name",

"c": "client.navName"

}

],

"answer": "navigator.appName",

"score": 0,

"status": ""

},

{

"id": 21,

"question": "Which event occurs when the user clicks on an HTML element?",

"options": [

{

"a": "onchange",

"b": "onclick",

"c": "onmouseclick",

"d": "onmouseover"

}

],

"answer": "onclick",

"score": 0,

"status": ""

},

{

"id": 22,

"question": "How do you declare a JavaScript variable?",

"options": [

{

"a": "var carName;",

"b": "variable carName;",

"c": "v carName;"

}

],

"answer": "var carName;",

"score": 0,

"status": ""

},

{

"id": 23,

"question": "Which operator is used to assign a value to a variable?",

"options": [

{

"a": "\*",

"b": "-",

"c": "=",

"d": "x"

}

],

"answer": "=",

"score": 0,

"status": ""

},

{

"id": 24,

"question": "What will the following code return: Boolean(10 &gt; 9)",

"options": [

{

"a": "NaN",

"b": "false",

"c": "true"

}

],

"answer": "true",

"score": 0,

"status": ""

},

{

"id": 25,

"question": "Is JavaScript case-sensitive?",

"options": [

{

"a": "No",

"b": "Yes"

}

],

"answer": "Yes",

"score": 0,

"status": ""

}

]

}

var quizApp = function () {

this.score = 0;

this.qno = 1;

this.currentque = 0;

var totalque = quiz.JS.length;

this.displayQuiz = function (cque) {

this.currentque = cque;

if (this.currentque < totalque) {

$("#tque").html(totalque);

$("#previous").attr("disabled", false);

$("#next").attr("disabled", false);

$("#qid").html(quiz.JS[this.currentque].id + '.');

$("#question").html(quiz.JS[this.currentque].question);

$("#question-options").html("");

for (var key in quiz.JS[this.currentque].options[0]) {

if (quiz.JS[this.currentque].options[0].hasOwnProperty(key)) {

$("#question-options").append(

"<div class='form-check option-block'>" +

"<label class='form-check-label'>" +

"<input type='radio' class='form-check-input' name='option' id='q" + key + "' value='" + quiz.JS[this.currentque].options[0][key] + "'><span id='optionval'>" +

quiz.JS[this.currentque].options[0][key] +

"</span></label>"

);

}

}

}

if (this.currentque <= 0) {

$("#previous").attr("disabled", true);

}

if (this.currentque >= totalque) {

$('#next').attr('disabled', true);

for (var i = 0; i < totalque; i++) {

this.score = this.score + quiz.JS[i].score;

}

return this.showResult(this.score);

}

}

this.showResult = function (scr) {

$("#result").addClass('result');

$("#result").html("<h1 class='res-header'>Total Score: &nbsp;" + scr + '/' + totalque + "</h1>");

for (var j = 0; j < totalque; j++) {

var res;

if (quiz.JS[j].score == 0) {

res = '<span class="wrong">' + quiz.JS[j].score + '</span><i class="fa fa-remove c-wrong"></i>';

} else {

res = '<span class="correct">' + quiz.JS[j].score + '</span><i class="fa fa-check c-correct"></i>';

}

$("#result").append(

'<div class="result-question"><span>Q ' + quiz.JS[j].id + '</span> &nbsp;' + quiz.JS[j].question + '</div>' +

'<div><b>Correct answer:</b> &nbsp;' + quiz.JS[j].answer + '</div>' +

'<div class="last-row"><b>Score:</b> &nbsp;' + res +

'</div>'

);

}

}

this.checkAnswer = function (option) {

var answer = quiz.JS[this.currentque].answer;

option = option.replace(/</g, "&lt;") //for <

option = option.replace(/>/g, "&gt;") //for >

option = option.replace(/"/g, "&quot;")

if (option == quiz.JS[this.currentque].answer) {

if (quiz.JS[this.currentque].score == "") {

quiz.JS[this.currentque].score = 1;

quiz.JS[this.currentque].status = "correct";

}

} else {

quiz.JS[this.currentque].status = "wrong";

}

}

this.changeQuestion = function (cque) {

this.currentque = this.currentque + cque;

this.displayQuiz(this.currentque);

}

}

var jsq = new quizApp();

var selectedopt;

$(document).ready(function () {

jsq.displayQuiz(0);

$('#question-options').on('change', 'input[type=radio][name=option]', function (e) {

//var radio = $(this).find('input:radio');

$(this).prop("checked", true);

selectedopt = $(this).val();

});

});

$('#next').click(function (e) {

e.preventDefault();

if (selectedopt) {

jsq.checkAnswer(selectedopt);

}

jsq.changeQuestion(1);

});

$('#previous').click(function (e) {

e.preventDefault();

if (selectedopt) {

jsq.checkAnswer(selectedopt);

}

jsq.changeQuestion(-1);

});

**OUTPUT SCREENSHOT :**

