THE MINISTRY OF EDUCATION AND YOUTH OF THE REPUBLIC OF MOLDOVA

TECHNICAL UNIVERSITY OF MOLDOVA CIM FACULTY

**REPORT**

on Web Technologies

Laboratory Work No.1

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**Theme: Simple Quiz in JavaScript**

**Task:**

Develop a simple quiz in JavaScript on a selected theme.

***Solution***

As a theme I selected ,,Basic notions about MSSQL”.

Our quiz is divided in three files

***Quiz.html***

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| *<html>*  *<head>*  *<title>SQL Quiz</title>*  *<link rel="stylesheet" type="text/css" href="Quiz.css">*  *<script src="http://code.jquery.com/jquery-1.11.1.min.js"></script>*  *<script src="Quiz.js"></script>*  *</head>*  *<body>*  *<h2 class="quizHeader">Take a Quiz!</h2>*    *<table style="width:1200px">*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn1">1. What does SQL stand for?</p>*  *<ul>*  *<input class="answer" type="radio" name="q1" value="1">*  *<label id="correctString1"> Structured Query Language</label>*  *<br>*  *<input class="answer" type="radio" name="q1" value="0">*  *<label>Structured Question Language</label>*  *<br>*  *<input class="answer" type="radio" name="q1" value="0">*  *<label> Strong Question Language</label>*  *<br>*  *<input class="answer" type="radio" name="q1" value="0">*  *<label> Simple Question Language</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn1').innerHTML;*  *var Answer = document.getElementById('correctString1').innerHTML*  *var JsonData='['+ JSON.stringify({"question ": Question, "answer": Answer });*    *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn2">2.Which of the following is not true about the COALESCE function?</p>*  *<ul>*  *<input class="answer" type="radio" name="q2" value="0">*  *<label>It takes multiple alternate values.</label>*  *<br>*  *<input class="answer" type="radio" name="q2" value="1">*  *<label id="correctString2">It returns the first value in the parameter list if it is null.</label>*  *<br>*  *<input class="answer" type="radio" name="q2" value="0">*  *<label>It returns the first non-null expression in the parameter list.</label>*  *<br>*  *<input class="answer" type="radio" name="q2" value="0">*  *<label>None of the above</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn2').innerHTML;*  *var Answer = document.getElementById('correctString2').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *</tr>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn3">3.Which of the following is not true about the ON clause?</p>*  *<ul>*  *<input class="answer" type="radio" name="q3" value="0">*  *<label>ON clause specifies conditions or specify columns to join.</label>*  *<br>*  *<input class="answer" type="radio" name="q3" value="1">*  *<label id="correctString3"> ON clause does not allow three way joins.</label>*  *<br>*  *<input class="answer" type="radio" name="q3" value="0">*  *<label>ON clause makes the query easy to understand.</label>*  *<br>*  *<input class="answer" type="radio" name="q3" value="0">*  *<label> None of the above.</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn3').innerHTML;*  *var Answer = document.getElementById('correctString3').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn4">4. Which of the following is not true about multiple-row subqueries?</p>*  *<ul>*  *<input class="answer" type="radio" name="q4" value="0">*  *<label>Multiple row subqueries return multiple rows from the outer SELECT statement.</label>*  *<br>*  *<input class="answer" type="radio" name="q4" value="1">*  *<label id="correctString4">Multiple row subqueries return multiple rows from the inner SELECT statement.</label>*  *<br>*  *<input class="answer" type="radio" name="q4" value="0">*  *<label>Multiple row subqueries use multiple-row comparison operators.</label>*  *<br>*  *<input class="answer" type="radio" name="q4" value="0">*  *<label>All of the above.</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn4').innerHTML;*  *var Answer = document.getElementById('correctString4').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*    *</script>*  *</td>*  *</tr>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn5">5.Which SQL statement is used to extract data from a database?</p>*  *<ul>*  *<input class="answer" type="radio" name="q5" value="1">*  *<label id="correctString5">SELECT</label>*  *<br>*  *<input class="answer" type="radio" name="q5" value="0">*  *<label>EXTRACT</label>*  *<br>*  *<input class="answer" type="radio" name="q5" value="0">*  *<label>OPEN</label>*  *<br>*  *<input class="answer" type="radio" name="q5" value="0">*  *<label>GET</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn5').innerHTML;*  *var Answer = document.getElementById('correctString5').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*    *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn6">6.Which of the following is not true about use of a database view?</p>*  *<ul>*  *<input class="answer" type="radio" name="q6" value="0">*  *<label>It provides data independence.</label>*  *<br>*  *<input class="answer" type="radio" name="q6" value="1">*  *<label id="correctString6">It prevents different views of same data.</label>*  *<br>*  *<input class="answer" type="radio" name="q6" value="0">*  *<label> It makes queries easy.</label>*  *<br>*  *<input class="answer" type="radio" name="q6" value="0">*  *<label>It restricts data access.</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn6').innerHTML;*  *var Answer = document.getElementById('correctString6').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *</tr>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn7">7.Which SQL statement is used to update data in a database?</p>*  *<ul>*  *<input class="answer" type="radio" name="q7" value="0">*  *<label>SAVE</label>*  *<br>*  *<input class="answer" type="radio" name="q7" value="1">*  *<label id="correctString7">UPDATE</label>*  *<br>*  *<input class="answer" type="radio" name="q7" value="0">*  *<label>MODIFY</label>*  *<br>*  *<input class="answer" type="radio" name="q7" value="0">*  *<label>SAVE AS</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn7').innerHTML;*  *var Answer = document.getElementById('correctString7').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn8">8. Which of the following code will delete a sequence named loc\_seq?</p>*  *<ul>*  *<input class="answer" type="radio" name="q8" value="0">*  *<label>delete sequence loc-seq;</label>*  *<br>*  *<input class="answer" type="radio" name="q8" value="1">*  *<label id="correctString8"> drop sequence loc\_seq;</label>*  *<br>*  *<input class="answer" type="radio" name="q8" value="0">*  *<label>delete primary key loc\_sec;</label>*  *<br>*  *<input class="answer" type="radio" name="q8" value="0">*  *<label>drop primary key loc\_sec;</label>*  *</ul>*  *</div>*  *</td>*  *</tr>*  *<script>*  *var Question = document.getElementById('jsn8').innerHTML;*  *var Answer = document.getElementById('correctString8').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn9">9.Which of the following code would create a role named student\_admin?</p>*  *<ul>*  *<input class="answer" type="radio" name="q9" value="1">*  *<label id="correctString9">CREATE ROLE student\_admin;</label>*  *<br>*  *<input class="answer" type="radio" name="q9" value="0">*  *<label>GRANT student\_admin;</label>*  *<br>*  *<input class="answer" type="radio" name="q9" value="0">*  *<label>CREATE student\_admin;</label>*  *<br>*  *<input class="answer" type="radio" name="q9" value="0">*  *<label>DELETE student\_admin;</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn9').innerHTML;*  *var Answer = document.getElementById('correctString9').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*    *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn10">10.Which SQL statement is used to return only different values?</p>*  *<ul>*  *<input class="answer" type="radio" name="q10" value="0">*  *<label> SELECT DIFFERENT</label>*  *<br>*  *<input class="answer" type="radio" name="q10" value="1">*  *<label id="correctString10"> SELECT DISTINCT</label>*  *<br>*  *<input class="answer" type="radio" name="q10" value="0">*  *<label> SELECT UNIQUE</label>*  *<br>*  *<input class="answer" type="radio" name="q10" value="0">*  *<label>None of the above</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn10').innerHTML;*  *var Answer = document.getElementById('correctString10').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *</tr>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn11">11. Choose the incorrect option about the sql server index</p>*  *<ul>*  *<input class="answer" type="radio" name="q11" value="0">*  *<label>Clustered indexes and non-clustered indexes</label>*  *<br>*  *<input class="answer" type="radio" name="q11" value="1">*  *<label id="correctString11">More than one clustered index on a table</label>*  *<br>*  *<input class="answer" type="radio" name="q11" value="0">*  *<label>Both types use B-TREE for searching data</label>*  *<br>*  *<input class="answer" type="radio" name="q11" value="0">*  *<label> Only one clustered index on a table</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn11').innerHTML;*  *var Answer = document.getElementById('correctString11').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn12">12.Which of the following DBCC command is used to see when was the last time the index rebuild?</p>*  *<ul>*  *<input class="answer" type="radio" name="q12" value="0">*  *<label>DBCC DBREINDEX</label>*  *<br>*  *<input class="answer" type="radio" name="q12" value="1">*  *<label id="correctString12">DBCC SHOW\_STATISTICS</label>*  *<br>*  *<input class="answer" type="radio" name="q12" value="0">*  *<label>DBCC SHOWCONFIG</label>*  *<br>*  *<input class="answer" type="radio" name="q12" value="0">*  *<label>None of the above</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn12').innerHTML;*  *var Answer = document.getElementById('correctString12').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *</tr>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn13">13.With SQL, how can you insert a new record into the "Persons" table?</p>*  *<ul>*  *<input class="answer" type="radio" name="q13" value="1">*  *<label id="correctString13"> INSERT INTO Persons VALUES ('Jimmy', 'Jackson')</label>*  *<br>*  *<input class="answer" type="radio" name="q13" value="0">*  *<label> INSERT INTO Persons(Name) VALUES ('Jimmy', 'Jackson')</label>*  *<br>*  *<input class="answer" type="radio" name="q13" value="0">*  *<label>INSERT VALUES ('Jimmy', 'Jackson') INTO Persons</label>*  *<br>*  *<input class="answer" type="radio" name="q13" value="0">*  *<label> INSERT ('Jimmy', 'Jackson') INTO Persons</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn13').innerHTML;*  *var Answer = document.getElementById('correctString13').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*    *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn14">14.Which type of integrity preserves the defined relationship between tables when records are entered or deleted?</p>*  *<ul>*  *<input class="answer" type="radio" name="q14" value="0">*  *<label> Entity integrity</label>*  *<br>*  *<input class="answer" type="radio" name="q14" value="1">*  *<label id="correctString14">Referential integrity</label>*  *<br>*  *<input class="answer" type="radio" name="q14" value="0">*  *<label>User-defined integrity</label>*  *<br>*  *<input class="answer" type="radio" name="q14" value="0">*  *<label>Domain integrity</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn14').innerHTML;*  *var Answer = document.getElementById('correctString14').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *</tr>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn15">15.Which SQL statement is used to delete data from a database?</p>*  *<ul>*  *<input class="answer" type="radio" name="q15" value="0">*  *<label>REMOVE</label>*  *<br>*  *<input class="answer" type="radio" name="q15" value="1">*  *<label id="correctString15">DELETE</label>*  *<br>*  *<input class="answer" type="radio" name="q15" value="0">*  *<label>COLLAPSE</label>*  *<br>*  *<input class="answer" type="radio" name="q15" value="0">*  *<label>REMOVE AS</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn15').innerHTML;*  *var Answer = document.getElementById('correctString15').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*  *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn16">16. How many Primary key constraints can be included in a table definition?</p>*  *<ul>*  *<input class="answer" type="radio" name="q16" value="0">*  *<label>Two</label>*  *<br>*  *<input class="answer" type="radio" name="q16" value="1">*  *<label id="correctString16">One</label>*  *<br>*  *<input class="answer" type="radio" name="q16" value="0">*  *<label>Three</label>*  *<br>*  *<input class="answer" type="radio" name="q16" value="0">*  *<label>Many</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn16').innerHTML;*  *var Answer = document.getElementById('correctString16').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*    *</script>*  *</td>*  *</tr>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn17">17.Which SQL statement is used to insert new data in a database?</p>*  *<ul>*  *<input class="answer" type="radio" name="q17" value="1">*  *<label id="correctString17">INSERT INTO</label>*  *<br>*  *<input class="answer" type="radio" name="q17" value="0">*  *<label>ADD NEW</label>*  *<br>*  *<input class="answer" type="radio" name="q17" value="0">*  *<label>ADD RECORD</label>*  *<br>*  *<input class="answer" type="radio" name="q17" value="0">*  *<label>INSERT NEW</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn17').innerHTML;*  *var Answer = document.getElementById('correctString17').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*      *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn18">Which statement is used to delete all rows in a table without having the action logged?</p>*  *<ul>*  *<input class="answer" type="radio" name="q18" value="0">*  *<label>Delete table statement</label>*  *<br>*  *<input class="answer" type="radio" name="q18" value="1">*  *<label id="correctString18">Truncate table statement</label>*  *<br>*  *<input class="answer" type="radio" name="q18" value="0">*  *<label>Drop table statement</label>*  *<br>*  *<input class="answer" type="radio" name="q18" value="0">*  *<label>None of the above</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn18').innerHTML;*  *var Answer = document.getElementById('correctString18').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*    *</script>*  *</td>*  *</tr>*  *<tr>*  *<td>*  *<div>*  *<p class="question" id="jsn19">19.Tools for importing and exporting data in sql server</p>*  *<ul>*  *<input class="answer" type="radio" name="q19" value="0">*  *<label>bcp command utility</label>*  *<br>*  *<input class="answer" type="radio" name="q19" value="1">*  *<label> DTS</label>*  *<br>*  *<input class="answer" type="radio" name="q19" value="0">*  *<label>Bulk inserts</label>*  *<br>*  *<input class="answer" type="radio" name="q19" value="0">*  *<label id="correctString19">ALL of the above</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn19').innerHTML;*  *var Answer = document.getElementById('correctString19').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer });*    *</script>*  *</td>*  *<td>*  *<div>*  *<p class="question" id="jsn20">20. Which SQL keyword is used to sort the result-set?</p>*  *<ul>*  *<input class="answer" type="radio" name="q20" value="0">*  *<label>Group by</label>*  *<br>*  *<input class="answer" type="radio" name="q20" value="1">*  *<label id="correctString20">Order by</label>*  *<br>*  *<input class="answer" type="radio" name="q20" value="0">*  *<label>Sort</label>*  *<br>*  *<input class="answer" type="radio" name="q20" value="0">*  *<label>Sort by</label>*  *</ul>*  *</div>*  *<script>*  *var Question = document.getElementById('jsn20').innerHTML;*  *var Answer = document.getElementById('correctString20').innerHTML*  *var JsonData= JsonData +','+JSON.stringify({"question ": Question, "answer": Answer })+']';*  *console.log(JsonData);*  *</script>*  *</td>*  *</tr>*  *</table>*  *<br/>*  *<div class="submitter">*  *<input class="quizSubmit" id="submitButton" onClick="submitQuiz()"*  *type="submit" value="Submit" />*  *</div>*    *<!--show only wrong answers on submit-->*  *<div class="quizAnswers" id="correctAnswer1"></div>*  *<div class="quizAnswers" id="correctAnswer2"></div>*  *<div class="quizAnswers" id="correctAnswer3"></div>*  *<div class="quizAnswers" id="correctAnswer4"></div>*    *<div class="quizAnswers" id="correctAnswer5"></div>*  *<div class="quizAnswers" id="correctAnswer6"></div>*  *<div class="quizAnswers" id="correctAnswer7"></div>*  *<div class="quizAnswers" id="correctAnswer8"></div>*  *<div class="quizAnswers" id="correctAnswer9"></div>*  *<div class="quizAnswers" id="correctAnswer10"></div>*  *<div class="quizAnswers" id="correctAnswer11"></div>*  *<div class="quizAnswers" id="correctAnswer12"></div>*  *<div class="quizAnswers" id="correctAnswer13"></div>*  *<div class="quizAnswers" id="correctAnswer14"></div>*  *<div class="quizAnswers" id="correctAnswer15"></div>*  *<div class="quizAnswers" id="correctAnswer16"></div>*  *<div class="quizAnswers" id="correctAnswer17"></div>*  *<div class="quizAnswers" id="correctAnswer18"></div>*  *<div class="quizAnswers" id="correctAnswer19"></div>*  *<div class="quizAnswers" id="correctAnswer20"></div>*  *<!--show score upon submit-->*  *<div>*  *<h2 class="quizScore" id="userScore"></h2>*  *</div>*  *</div>*  *</body>*  *</html>* |

***Quiz.css***

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| */\* css here \*/*  *{*  *border: 1px dotted black;*  *}*  *p.question {*  *font-family: Arial, sans-serif;*  *font-size:20px;*  *color: #2E2E2E;*  *margin-bottom:0px;*  *}*  *h2.quizHeader {*  *font-family: Arial, sans-serif;*  *font-weight:normal;*  *font-size:25px;*  *line-height: 27px;*  *margin: 24px 0 12px 0;*  *padding: 0 0 4px 0;*  *border-bottom: 1px solid #a2a2a2;*  *}*  *h2.quizScore{*  *font-family: Arial, sans-serif;*  *font-size:25px;*  *}*  *div.quizAnswers{*  *font-family: Arial, sans-serif;*  *font-size:16px;*  *color: #424242;*  *padding: 4px 0 4px 0;*  *}*  *label {*  *font-family: Arial, sans-serif;*  *font-size:14px;*  *color: #424242;*  *vertical-align:top;*  *}*  *input.answer[type="radio"] {*  *margin-bottom: 10px;*  *}*  *input.quizSubmit[type="submit"] {*  *-webkit-background-clip: border-box;*  *-webkit-background-origin: padding-box;*  *-webkit-background-size: auto;*  *-webkit-transition-delay: 0s, 0s;*  *-webkit-transition-duration: 0.2s, 0.2s;*  *-webkit-transition-property: color, background-color;*  *-webkit-transition-timing-function: ease, ease;*  *box-shadow: rgba(0, 0, 0, 0.498039) 0px 0px 5px 0px;*  *color: #ffffff;*  *background-color: #c30b0a;*  *margin: 0;*  *border: 0;*  *outline: 0;*  *text-transform:uppercase;*  *height:35px;*  *width:85px;*  *border: 1px solid #5E5E5E;*  *border-radius:5px;*    *}*  *input.quizSubmit[type="submit"]:hover {*  *color: #ffffff;*  *background: #680f11;*  *text-decoration: none;*  *}*  *table {*  *background-color: #F2F2F2;*  *border:1px solid #BDBDBD;*  *border-radius:5px;*  *padding:10px;*  *padding-left:25px;*  *box-shadow: rgba(0, 0, 0, 0.498039) 0px 0px 1px 0px;*  *}*  *th {*    *}*  *tr {*    *}*  *td {*  *}*  *.submitter {*  *width:85px;*  *}*  *.hide {*  *display:none;*  *}*  /\*SFS light red = #c30b0a;  SFS dark red = #9f2026; \*/ |

***Quiz.js***

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| *// scripts here:*  *function submitQuiz() {*  *console.log('submitted');*  *// get each answer score*  *function answerScore (qName) {*  *var radiosNo = document.getElementsByName(qName);*  *for (var i = 0, length = radiosNo.length; i < length; i++) {*  *if (radiosNo[i].checked) {*  *// do something with radiosNo*  *var answerValue = Number(radiosNo[i].value);*  *}*  *}*  *// change NaNs to zero*  *if (isNaN(answerValue)) {*  *answerValue = 0;*  *}*  *return answerValue;*  *}*  *// calc score with answerScore function*  *var calcScore = (answerScore('q1') + answerScore('q2') + answerScore('q3') + answerScore('q4')+answerScore('q5')+answerScore('q6')+answerScore('q7')+answerScore('q8')+answerScore('q9')+answerScore('q10')+answerScore('q11') + answerScore('q12') + answerScore('q13') + answerScore('q14')+answerScore('q15')+answerScore('q16')+answerScore('q17')+answerScore('q18')+answerScore('q19')+answerScore('q20'));*  *console.log("CalcScore: " + calcScore); // it works!*  *// function to return correct answer string*  *function correctAnswer (correctStringNo, qNumber) {*  *console.log("qNumber: " + qNumber); // logs 1,2,3,4 after called below*  *return ("The correct answer for question #" + qNumber + ": &nbsp;<strong>" +*  *(document.getElementById(correctStringNo).innerHTML) + "</strong>");*  *}*  *// print correct answers only if wrong (calls correctAnswer function)*  *if (answerScore('q1') === 0) {*  *document.getElementById('correctAnswer1').innerHTML = correctAnswer('correctString1', 1);*  *}*  *if (answerScore('q2') === 0) {*  *document.getElementById('correctAnswer2').innerHTML = correctAnswer('correctString2', 2);*  *}*  *if (answerScore('q3') === 0) {*  *document.getElementById('correctAnswer3').innerHTML = correctAnswer('correctString3', 3);*  *}*  *if (answerScore('q4') === 0) {*  *document.getElementById('correctAnswer4').innerHTML = correctAnswer('correctString4', 4);*  *}*  *if (answerScore('q5') === 0) {*  *document.getElementById('correctAnswer5').innerHTML = correctAnswer('correctString5', 5);*  *}*  *if (answerScore('q6') === 0) {*  *document.getElementById('correctAnswer6').innerHTML = correctAnswer('correctString6', 6);*  *}*  *if (answerScore('q7') === 0) {*  *document.getElementById('correctAnswer7').innerHTML = correctAnswer('correctString7', 7);*  *}*  *if (answerScore('q8') === 0) {*  *document.getElementById('correctAnswer8').innerHTML = correctAnswer('correctString8', 8);*  *}*  *if (answerScore('q9') === 0) {*  *document.getElementById('correctAnswer9').innerHTML = correctAnswer('correctString9', 9);*  *}*  *if (answerScore('q10') === 0) {*  *document.getElementById('correctAnswer10').innerHTML = correctAnswer('correctString10', 10);*  *}*  *if (answerScore('q11') === 0) {*  *document.getElementById('correctAnswer11').innerHTML = correctAnswer('correctString11', 11);*  *}*  *if (answerScore('q12') === 0) {*  *document.getElementById('correctAnswer12').innerHTML = correctAnswer('correctString12', 12);*  *}*    *if (answerScore('q13') === 0) {*  *document.getElementById('correctAnswer13').innerHTML = correctAnswer('correctString13', 13);*  *}*  *if (answerScore('q14') === 0) {*  *document.getElementById('correctAnswer14').innerHTML = correctAnswer('correctString14', 14);*  *}*  *if (answerScore('q15') === 0) {*  *document.getElementById('correctAnswer15').innerHTML = correctAnswer('correctString15', 15);*  *}*  *if (answerScore('q16') === 0) {*  *document.getElementById('correctAnswer16').innerHTML = correctAnswer('correctString16', 16);*  *}*      *if (answerScore('q17') === 0) {*  *document.getElementById('correctAnswer17').innerHTML = correctAnswer('correctString17', 17);*  *}*  *if (answerScore('q18') === 0) {*  *document.getElementById('correctAnswer18').innerHTML = correctAnswer('correctString18', 18);*  *}*  *if (answerScore('q19') === 0) {*  *document.getElementById('correctAnswer19').innerHTML = correctAnswer('correctString19', 19);*  *}*  *if (answerScore('q20') === 0) {*  *document.getElementById('correctAnswer20').innerHTML = correctAnswer('correctString20', 20);*  *}*    *// calculate "possible score" integer*  *var questionCountArray = document.getElementsByClassName('question');*  *var questionCounter = 0;*  *for (var i = 0, length = questionCountArray.length; i < length; i++) {*  *questionCounter++;*  *}*  *// show score as "score/possible score"*  *var showScore = "Your Score: " + calcScore +"/" + questionCounter;*  *// if 20/20, "perfect score!"*  *if (calcScore === questionCounter) {*  *showScore = showScore + "&nbsp; <strong>Perfect Score!</strong>"*  *};*  *document.getElementById('userScore').innerHTML = showScore;*  *}*  *$(document).ready(function() {*  *$('#submitButton').click(function() {*  *$(this).addClass('hide');*  *});*  *});* |

# Results:

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# Fig. 1-5 Quiz results

# Conclusion:

In this laboratory work I understood how to develop a simple quiz in JS (how to write functions conditional statements and for loops how to integrate a simple JQuery statement in JS code, how to log data as JSON file using JS and brawser console).