

```

1  /*jshint esversion: 6 */
2
3  // Declare variables
4
5  // to keep track of current question
6  let currentQuestion = 0;
7
8  // to keep track of the score
9  let score = 0;
10
11 // to calculate total number of questions
12 let lastQuestion = questions.length - 1;
13
14 // Get the start button element and add event listener to it
15 let startButton = document.getElementById("btn-start");
16 startButton.addEventListener("click", startQuiz);
17
18 // Get the restart button element and add event listener to it
19 let btnRestart = document.getElementById("btn-restart");
20 btnRestart.addEventListener("click", restartQuiz);
21
22 // Get the quit button element and add event listener to it
23 let btnQuit = document.getElementById("btn-quit");
24 btnQuit.addEventListener("click", returnHome);
25
26 // Get home section
27 let homeSection = document.getElementById("home-section");
28
29 // Get quiz section
30 let quizSection = document.getElementById("quiz-section");
31
32 // Get results section
33 let resultsSection = document.getElementById("results-section");
34
35 // Get modal
36 let modalFeedback = document.getElementById('modal-feedback');
37
38 // Get the <span> element that closes the modal
39 let span = document.getElementsByClassName("close")[0];
40
41 // Get total number of questions in the quiz
42 let totalQuestions = document.getElementById("total-questions");
43 totalQuestions.innerHTML = questions.length;
44
45
46 /**
47  * Called when start button is clicked, hides the home section content of the page and
48  * takes user to quiz area
49  */
50 function startQuiz(){
51     homeSection.style.display = 'none';
52     quizSection.style.display = 'block';
53     displayQuestion();
54 }
55
56
57 /**
58  * Function to render question, called when user is taken to game area
59  */
60 function displayQuestion() {
61     // display car logo image
62     let questionImg = document.getElementById('question-img');
63     questionImg.innerHTML = "";
64
65     //display alternative answers
66     let answerOptionA = document.getElementById("answerOptionA");
67     answerOptionA.innerHTML = questions[currentQuestion].answerOptionA;
68
69     let answerOptionB = document.getElementById("answerOptionB");
70     answerOptionB.innerHTML = questions[currentQuestion].answerOptionB;
71
72     let answerOptionC = document.getElementById("answerOptionC");
73     answerOptionC.innerHTML = questions[currentQuestion].answerOptionC;
74 }
75
76
77 /**
78  * Function to check user answer against the correct answer, displays modal with
79  * feedback and increments score.
80  * Called when user clicks on the answer button
81  */

```

version 2.13.5
There are 16 functions in the
(<https://github.com/jshint/jshint/>)
Function with the largest signature
median is 0
About (/about)
Largest function has 8 statements
Documentation (/docs)
The most complex function has 2 arguments
Install (/install)
of 2 while the median is 1.
Contribute (/contribute)

Blog (/blog)

One undefined variable

12 questions
43 questions
63 questions
67 questions
70 questions
73 questions
83 questions
146 questions
147 questions
149 questions
151 questions

Two unused variables

82 checkAnswer
232 toggleTheme

```

82     function checkAnswer(userAnswer) {
83         if (userAnswer == questions[currentQuestion].correct){
84             showModal();
85             IsCorrect();
86             score++;
87         } else {
88             showModal();
89             IsWrong();
90         }
91     }
92
93
94     /**
95     * Function to render next question
96     */
97     function nextQuestion() {
98         if(currentQuestion < lastQuestion) {
99             currentQuestion++;
100             displayQuestion();
101         } else {
102             displayResults();
103         }
104     }
105
106
107     /**
108     * Function to display results and to provide options to restart the quiz or return
109     * to home section. Called with the last question of the quiz is answered.
110     */
111     function displayResults() {
112         quizSection.style.display = 'none';
113         resultsSection.style.display = 'block';
114         let userScore = document.getElementById("user-score");
115         userScore.innerHTML = score;
116     }
117
118
119     /* Learned how to create a Modal Box with CSS and JavaScript and adopted code from this W3
120     (https://www.w3schools.com/howto/howto_css_modals.asp) tutorial */
121
122     // When the user clicks on <span> (x), close the modal
123     span.onclick = function() {
124         modalFeedback.style.display = "none";
125         nextQuestion();
126     };
127
128
129     // When the user clicks anywhere outside of the modal, close it
130     window.onclick = function(event) {
131         if (event.target == modalFeedback) {
132             modalFeedback.style.display = "none";
133             nextQuestion();
134         }
135     };
136
137
138     /**
139     * Function to open the modal with feedback.
140     * Renders the logo image and displays the correct answer.
141     * Called when user's answer is checked against the correct answer.
142     */
143     function showModal() {
144         modalFeedback.style.display = "block";
145         let answerImg = document.getElementById("answer-img");
146         answerImg.innerHTML = "";
147         let keys = Object.keys(questions[currentQuestion]);
148         keys.forEach((key) => {
149             if (key == questions[currentQuestion].correct) {
150                 let correctAnswer = document.getElementById("correctAnswer");
151                 correctAnswer.innerHTML = questions[currentQuestion][key];
152             }
153         });
154     }
155
156
157     /**
158     * Function to change the color of modal header and render message
159     * when user's answer is correct.
160     * Called when user's answer is checked against the correct answer.
161     */
162     function IsCorrect() {
163
164         let modalHeader = document.getElementsByClassName("modal-header")[0];

```



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of 2 while the median is 1.5

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165 modalHeader.style.backgroundColor = "#2B5F2B";
166
167 let checkAnswerModal = document.getElementById("check-answer-modal");
168 checkAnswerModal.innerHTML = "That is correct answer!";
169
170 let modalMessage = document.getElementById("modal-message");
171 modalMessage.innerHTML = "This logo is for ";
172 }
173
174
175 /**
176  * Function to change the color of modal header and render message
177  * when user's answer is wrong.
178  * Called when user's answer is checked against the correct answer.
179  */
180 function IsWrong() {
181
182     let modalHeader = document.getElementsByClassName("modal-header")[0];
183     modalHeader.style.backgroundColor = "#A71B11";
184
185     let checkAnswerModal = document.getElementById("check-answer-modal");
186     checkAnswerModal.innerHTML = "Incorrect!";
187
188     let modalMessage = document.getElementById("modal-message");
189     modalMessage.innerHTML = "Correct answer is ";
190 }
191
192
193 /**
194  * Function to reset score, hides the results section content of the page and
195  * takes user back to quiz area.
196  * Called when restart button is clicked.
197  */
198 function restartQuiz() {
199     //reset current question index
200     currentQuestion = 0;
201     //reset score
202     score = 0;
203     resultsSection.style.display = 'none';
204     startQuiz();
205 }
206
207
208 /**
209  * Function to reset score and take user home section when restart button is clicked.
210  */
211 function returnHome() {
212     resultsSection.style.display = 'none';
213     homeSection.style.display = 'block';
214     //reset current question index
215     currentQuestion = 0;
216     //reset score
217     score = 0;
218 }
219
220
221 /* Learned how to create dark and light themes using CSS variables and JavaScript and adop
222 (https://medium.com/@haxzie/dark-and-light-theme-switcher-using-css-variables-and-pure-jav
223
224 // function to set a given theme/color-scheme
225 function setTheme(themeName) {
226     localStorage.setItem('theme', themeName);
227     document.documentElement.className = themeName;
228 }
229
230
231 // function to toggle between light and dark theme
232 function toggleTheme() {
233     if (localStorage.getItem('theme') === 'theme-dark'){
234         setTheme('theme-light');
235     } else {
236         setTheme('theme-dark');
237     }
238 }
239
240
241 // Immediately invoked function to set the theme on initial load
242 (function () {
243     if (localStorage.getItem('theme') === 'theme-dark') {
244         setTheme('theme-dark');
245     } else {
246         setTheme('theme-light');
247     }

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CONFIGURE

JS Hint
Metrics

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