```javascript
1   // jshint esversion: 6
2       document.addEventListener("DOMContentLoaded", () => {
3       // DOM Elements
4       const levelOfDifficulty = document.querySelectorAll(".level-selection .choice");
5       const takeTriviaBtn = document.querySelector(".take-trivia");
6       const multipleChoice = document.querySelectorAll(".multiple-choice .choice");
7       const verifyBtn = document.querySelector(".verify-answer");
8       const nextTrivia = document.querySelector(".next-trivia");
9       const triviaPage = document.querySelector(".trivia-section");
10      const howToPlayPage = document.querySelector(".how-to-section");
11      const backToLevel = document.querySelector(".back-to-level");
12      const scorePage = document.querySelector(".score-section");
13      const nbaTrivia = document.querySelector(".nba-trivia");
14      const questionPage = document.querySelector(".question-section");
15
16
17      // Initial setup
18      takeTriviaBtn.style.visibility = "hidden";
19      takeTriviaBtn.style.opacity = "0";
20      nextTrivia.style.display = "none";
21
22      // Variables to track trivia progress
23      let questionNumber = 0;
24      let questions;
25      let score = 0;
26      let currentQuestionIndex = 0;
27      let currentQuestion;
28      let sendAnswer = false;
29
30      // Function to clear answer styles
31      const clearAnswers = () => {
32          multipleChoice.forEach(choice => {
33              choice.classList.remove("choice-selected", "correct-answer", "incorrect-answer
34              choice.style.cursor = "pointer";
35          });
36      };
37
38      // Function to clear buttons
39      const clearBtns = () => {
40          verifyBtn.style.display = "block";
41          verifyBtn.style.visibility = "hidden";
42          nextTrivia.style.visibility = "hidden";
43          nextTrivia.style.display = "none";
44          nextTrivia.style.opacity = "0";
45          takeTriviaBtn.style.visibility = "hidden";
46          takeTriviaBtn.style.opacity = "0";
47      };
48
49      // Function to reset trivia
50      const resetTrivia = () => {
51          sendAnswer = false;
52          questionNumber = 0;
53          triviaPage.classList.remove("hiddenPage");
54          triviaPage.style.display = "block";
55          questions = {};
56          score = 0;
57          currentQuestionIndex = 0;
58          currentQuestion = "";
59          nbaTrivia.textContent = "";
60          sendAnswer = false;
61          scorePage.style.display = "none";
62          clearAnswers();
63          clearBtns();
64          takeTriviaBtn.style.visibility = "hidden";
65          takeTriviaBtn.style.opacity = "0";
66      };
67
68      // Event listener for back to level button
69      backToLevel.addEventListener("click", resetTrivia);
70
71      // Event listeners for difficulty level buttons
72      levelOfDifficulty.forEach(choice => {
73          choice.addEventListener("click", () => {
74              levelOfDifficulty.forEach(cho => cho.classList.remove("choice-selected"));
75              choice.classList.toggle("choice-selected");
76              takeTriviaBtn.style.visibility = "visible";
77              takeTriviaBtn.style.opacity = "1";
78          });
79      });
80
81      // Event listener for take trivia button
82      takeTriviaBtn.addEventListener("click", () => {
83      triviaPage.classList.add("hiddenPage");
84      howToPlayPage.classList.add("hiddenPage");
85      questionPage.classList.remove("hiddenPage");
86      setTimeout(() => {
87          triviaPage.style.display = "none";
88          howToPlayPage.style.display = "none";
89          questionPage.style.display = "block";
90      }, 300);
91
92      const selectedLevel = document.querySelector(".choice-selected");
93      nbaTrivia.style.visibility = "visible";
94      let level = selectedLevel.dataset.info;
95
96      // Set NBA Trivia text and icon based on difficulty level
97      nbaTrivia.innerHTML = `<i class="icon"></i><span>${level.charAt(0).toUpperCase() + lev
98      nbaTrivia.classList.add(`level-${level === "simple" ? 1 : level === "intermediate" ? 2
99
100     // Fetch trivia questions based on difficulty level
101     fetch(`./resources/trivia/${level}.json`)
102         .then(response => response.json())
103         .then(data => {
104             questions = data;
105             showNextQuestion();
106         })
107         .catch(error => console.error("Error while fetching questions:", error));
108 });
109
```

CONFIGURE

Metrics

There are 23 functions in this file.

Function with the largest signature take 2 arguments, while the median is 1.

Largest function has 30 statements in it, while the median is 2.

The most complex function has a cyclomatic complexity value of 7 while the median is 1.

JSHint

version 2.13.6
(https://github.com/jshint/j

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```
110        // Event listeners for multiple-choice buttons
111        multipleChoice.forEach(choice => {
112            choice.addEventListener("click", () => {
113                if (!sendAnswer) {
114                    multipleChoice.forEach(cho => cho.classList.remove("choice-selected"));
115                    choice.classList.toggle("choice-selected");
116                    verifyBtn.style.visibility = "visible";
117                    verifyBtn.style.opacity = "1";
118                }
119            });
120        });
121
122        // Event listener for verifying the answer
123        verifyBtn.addEventListener("click", () => {
124            sendAnswer = true;
125            multipleChoice.forEach(cho => cho.style.cursor = "not-allowed");
126            verifyBtn.style.display = "none";
127            nextTrivia.style.visibility = "visible";
128            nextTrivia.style.display = "block";
129            nextTrivia.style.opacity = "1";
130
131            const answer = document.querySelector(".multiple-choice .choice-selected");
132
133            // Check if the selected answer is correct
134            if (answer.textContent === currentQuestion.answer) {
135                answer.classList.add("correct-answer");
136                score++;
137            } else {
138                answer.classList.add("incorrect-answer");
139                // Highlight the correct answer
140                multipleChoice.forEach(choice => {
141                    if (choice.textContent === currentQuestion.answer) {
142                        choice.classList.add("correct-answer");
143                    }
144                });
145            }
146        });
147
148        // Event listener for moving to the next trivia
149        nextTrivia.addEventListener("click", () => {
150            if (currentQuestionIndex + 1 === questions.questions.length) {
151                questionPage.style.display = "none";
152                scorePage.style.display = "block";
153                scorePage.style.visibility = "visible";
154                document.querySelector(".score").textContent = score;
155                return;
156            }
157            currentQuestionIndex++;
158            clearBtns();
159            sendAnswer = false;
160            multipleChoice.forEach(cho => cho.style.cursor = "pointer");
161            showNextQuestion();
162        });
163
164        // Function to display the next question
165        const showNextQuestion = () => {
166            clearAnswers();
167
168            takeTriviaBtn.style.visibility = "hidden";
169            takeTriviaBtn.style.opacity = "0";
170
171            if (questions && questions.questions && questions.questions.length > currentQuesti
172                const questionData = questions.questions[currentQuestionIndex];
173
174                if (questionData) {
175                    currentQuestion = questionData;
176
177                    // Update the question number
178                    questionNumber++;
179                    const questionNumberElement = document.querySelector(".question-section h3
180                    if (questionNumberElement) {
181                        questionNumberElement.textContent = `${questionNumber}/${questions.que
182                    }
183
184                    const questionText = document.querySelector(".question-section .question-t
185
186                    if (questionText) {
187                        questionText.textContent = currentQuestion.question;
188                    }
189
190                    const choices = document.querySelectorAll(".multiple-choice .choice");
191
192                    // Reset the display property to 'block' for each choice
193                    choices.forEach((choice, index) => {
194                        choice.style.display = "block";
195                        choice.textContent = currentQuestion.options[index];
196                    });
197                } else {
198                    console.error("Error loading current question.");
199                }
200            } else {
201                console.log("Quiz concluded!");
202            }
203        };        Removed extra curly brace.
204
205    });
206
```

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