

# index.js

```
1  //? Step 1: Define Quiz Data
2
3  const quizData = [
4    {
5      question: "What does HTML stand for?",
6      options: [
7        "Hypertext Markup Language",
8        "Hyper Transfer Markup Language",
9        "Hypertext Machine Language",
10       "Hyperlink and Text Markup Language",
11     ],
12     correct: 0,
13   },
14   {
15     question:
16       "Which CSS property is used to control the spacing between elements?",
17     options: ["margin", "padding", "spacing", "border-spacing"],
18     correct: 1,
19   },
20   {
21     question:
22       "What is the JavaScript function used to select an HTML element by its id?",
23     options: [
24       "document.query",
25       "getElementById",
26       "selectElement",
27       "findElementById",
28     ],
29     correct: 1,
30     /* subscribe to thapa technical 👉 https://www.youtube.com/thapatechnical */
31   },
32   {
33     question:
34       "In React.js, which hook is used to perform side effects in a function component?",
35     options: ["useEffect", "useState", "useContext", "useReducer"],
36     correct: 0,
37   },
38   {
39     question: "Which HTML tag is used to create an ordered list?",
40     options: ["<ul>", "<li>", "<ol>", "<dl>"],
41     correct: 2,
42   },
43 ];
44
45 //? Step 2: JavaScript Initialization
46 const quiz = document.querySelector("#quiz");
47 const scores = document.querySelector(".score");
48 const answerElm = document.querySelectorAll(".answer");
49 const [questionElm, option_1, option_2, option_3, option_4] =
50   document.querySelectorAll(
51     "#question, .option_1, .option_2, .option_3, .option_4 "
```

```

52     );
53     const submitBtn = document.querySelector("#submit");
54
55     let currentQuiz = 0;
56     let score = 0;
57
58     //? Step 3: Load Quiz Function
59
60     const loadQuiz = () => {
61         const { question, options } = quizData[currentQuiz];
62         console.log(options);
63
64         questionElm.innerText = `${currentQuiz + 1}: ${question}`;
65         scores.innerText = `Score: ${score}/${quizData.length}`;
66         // options.forEach((curOption, index) => (option_1.innerText = curOption));
67         options.forEach(
68             (curOption, index) => (window[`option_${index + 1}`].innerText = curOption)
69         );
70     };
71
72     loadQuiz();
73
74     //? Step 4: Get Selected Answer Function on Button click
75     /* subscribe to thapa technical 🙌 https://www.youtube.com/thapatechnical */
76     const getSelectedOption = () => {
77         // let ans_index;
78         // answerElm.forEach((curOption, index) => {
79         //     if (curOption.checked) {
80         //         ans_index = index;
81         //     }
82         // });
83         // return ans_index;
84         let answerElement = Array.from(answerElm);
85         return answerElement.findIndex((curElem) => curElem.checked);
86     };
87
88     // deselectedAnswers
89
90     const deselectedAnswers = () => {
91         return answerElm.forEach((curElem) => (curElem.checked = false));
92     };
93
94     submitBtn.addEventListener("click", () => {
95         const selectedOptionIndex = getSelectedOption();
96         console.log(selectedOptionIndex);
97
98         if (selectedOptionIndex === quizData[currentQuiz].correct) {
99             // score += 1;
100             score = score + 1;
101         }
102
103         /* subscribe to thapa technical 🙌 https://www.youtube.com/thapatechnical */
104
105         currentQuiz++;
106
107         if (currentQuiz < quizData.length) {

```

```
108     deselectedAnswers();
109     loadQuiz();
110 } else {
111     quiz.innerHTML = `
112     <div class="result">
113     <h2>🏆 Your Score: ${score}/${quizData.length} Correct Answers</h2>
114     <p>Congratulations on completing the quiz! 🎉</p>
115     <button class="reload-button" onclick="location.reload()">Play Again ↺</button>
116     </div>
117     `;
118 }
119 });
120
```