

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Interactive Quiz App</title>

<style>

body {

font-family: Arial, sans-serif;

background: #f3f4f6;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

}

.quiz-container {

background: #fff;

width: 400px;

padding: 20px;

border-radius: 10px;

box-shadow: 0 5px 15px rgba(0,0,0,0.1);

text-align: center;

}

h2 {

margin-bottom: 15px;
```

```
font-size: 20px;
}
.btn {
display: block;
width: 100%;
padding: 10px;
margin: 8px 0;
background: #007bff;
color: white;
border: none;
border-radius: 5px;
cursor: pointer;
transition: 0.3s;
}
.btn:hover {
background: #0056b3;
}
#next-btn, #restart-btn {
margin-top: 15px;
display: none;
}
.correct { background: #28a745 !important; }
.incorrect { background: #dc3545 !important; }
</style>
</head>
<body>
```

```
<div class="quiz-container">

<h2 id="question">Question text</h2>

<div id="answer-buttons"></div>

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

<button id="restart-btn" class="btn">Restart Quiz</button>

</div>

<script>

const questions = [

{

question: "Which language is used for styling web pages?",

answers: [

{ text: "HTML", correct: false },

{ text: "CSS", correct: true },

{ text: "Python", correct: false },

{ text: "Java", correct: false }

]

},

{

question: "What does JS stand for?",

answers: [

{ text: "Java Syntax", correct: false },

{ text: "JavaScript", correct: true },

{ text: "Just Script", correct: false },

{ text: "JScript", correct: false }

]

},

]
```

```
{
  question: "Which company developed JavaScript?",
  answers: [
    { text: "Microsoft", correct: false },
    { text: "Google", correct: false },
    { text: "Netscape", correct: true },
    { text: "IBM", correct: false }
  ]
};

const questionElement = document.getElementById("question");
const answerButtons = document.getElementById("answer-buttons");
const nextButton = document.getElementById("next-btn");
const restartButton = document.getElementById("restart-btn");
let currentQuestionIndex = 0;
let score = 0;

function startQuiz() {
  currentQuestionIndex = 0;
  score = 0;
  nextButton.innerHTML = "Next";
  restartButton.style.display = "none";
  showQuestion();
}

function showQuestion() {
  resetState();
  let currentQuestion = questions[currentQuestionIndex];
```

```
questionElement.innerHTML = currentQuestion.question;

currentQuestion.answers.forEach(answer => {

const button = document.createElement("button");

button.innerHTML = answer.text;

button.classList.add("btn");

button.addEventListener("click", () => selectAnswer(button, answer.correct));

const questions = [

{

question: "Which language is used for styling web pages?",

answers: [

{ text: "HTML", correct: false },

{ text: "CSS", correct: true },

{ text: "Python", correct: false },

{ text: "Java", correct: false }

]

},

{

question: "What does JS stand for?",

answers: [

{ text: "Java Syntax", correct: false },

{ text: "JavaScript", correct: true },

{ text: "Just Script", correct: false },

{ text: "JScript", correct: false }

]

},

{
```

```
question: "Which company developed JavaScript?",
answers: [
  { text: "Microsoft", correct: false },
  { text: "Google", correct: false },
  { text: "Netscape", correct: true },
  { text: "IBM", correct: false }
]
}
];

const questionElement = document.getElementById("question");
const answerButtons = document.getElementById("answer-buttons");
const nextButton = document.getElementById("next-btn");
const restartButton = document.getElementById("restart-btn");

let currentQuestionIndex = 0;
let score = 0;

function startQuiz() {
  currentQuestionIndex = 0;
  score = 0;
  nextButton.innerHTML = "Next";
  restartButton.style.display = "none";
  showQuestion();
}

function showQuestion() {
  resetState();

  let currentQuestion = questions[currentQuestionIndex];
  questionElement.innerHTML = currentQuestion.question;
```

```
currentQuestion.answers.forEach(answer => {
  const button = document.createElement("button");
  button.innerHTML = answer.text;
  button.classList.add("btn");
  button.addEventListener("click", () => selectAnswer(button, answer.correct));
  answerButtons.appendChild(button);
});
}

function resetState() {
  nextButton.style.display = "none";
  while (answerButtons.firstChild) {
    answerButtons.removeChild(answerButtons.firstChild);
  }
}

function selectAnswer(button, correct) {
  const buttons = document.querySelectorAll("#answer-buttons .btn");
  buttons.forEach(btn => btn.disabled = true);
  if (correct) {
    button.classList.add("correct");
    score++;
  } else {
    button.classList.add("incorrect");
  }
  nextButton.style.display = "block";
}

function showScore() {
```

```
resetState();

questionElement.innerHTML = `You scored ${score} out of
${questions.length}!`;

restartButton.style.display = "block";
}

function handleNextButton() {
currentQuestionIndex++;
if (currentQuestionIndex < questions.length) {
showQuestion();
} else {
showScore();
}
}

nextButton.addEventListener("click", handleNextButton);
restartButton.addEventListener("click", startQuiz);
StartQuiz();
</script>
</body>
</html>
```