
Create a quiz application that displays one question at a time. Track the users score and show the final result at the end.

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Smart Quiz App</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

<style>

body {

    background: beige;

    font-family: 'Poppins', sans-serif;

    height: 100vh;

    display: flex;

    justify-content: center;

    align-items: center;

}

.quiz-container {

    background: white;

    border-radius: 20px;

    box-shadow: 0 8px 20px rgba(0,0,0,0.2);

    width: 90%;

    max-width: 600px;

    padding: 30px;

}
```

```
animation: fadeIn 0.6s ease-in-out;  
}
```

```
@keyframes fadeIn {  
from { opacity: 0; transform: scale(0.9); }  
to { opacity: 1; transform: scale(1); }  
}
```

```
.question {  
font-size: 1.3rem;  
font-weight: 600;  
color: #333;  
}
```

```
.option {  
background: #f8f9fa;  
border: 2px solid transparent;  
border-radius: 10px;  
padding: 10px;  
margin: 10px 0;  
transition: 0.3s;  
cursor: pointer;  
}
```

```
.option:hover {  
background: #e7f1ff;  
border-color: #007bff;  
}
```

```
.btn-custom {  
    border-radius: 10px;  
    font-weight: 600;  
    width: 100%;  
}  
  
#result {
```

```
    text-align: center;  
    font-size: 1.4rem;  
    font-weight: bold;  
    color: #444;  
}
```

```
.score {  
    font-size: 2rem;  
    color: #007bff;  
    margin-top: 10px;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="quiz-container text-center">  
    <h2 class="mb-4 text-primary">Smart GK Quiz</h2>  
    <div id="quiz">  
        <div id="question" class="question mb-3">Loading question...</div>  
        <div id="options" class="mb-3"></div>
```

```

<button id="nextBtn" class="btn btn-primary btn-custom">Next</button>

</div>

<div id="result" class="d-none">

  <h3>🎉 Quiz Completed!</h3>

  <p class="score"></p>

  <button class="btn btn-success btn-custom mt-3" onclick="restartQuiz()">Restart
  Quiz</button>

</div>

</div>

<script>

const quizData = [

  {

    question: "Which is the largest planet in our solar system?",

    options: ["Earth", "Jupiter", "Mars", "Saturn"],

    answer: "Jupiter"

  },

  {

    question: "Who is known as the Father of the Nation in India?",

    options: ["Jawaharlal Nehru", "Bhagat Singh", "Mahatma Gandhi", "Subhash Chandra
    Bose"],

    answer: "Mahatma Gandhi"

  },

  {

    question: "Which is the longest river in the world?",

    options: ["Amazon River", "Nile River", "Ganga River", "Yangtze River"],

    answer: "Nile River"

  }

]

```

question: "Which country is known as the Land of the Rising Sun?",

options: ["China", "Japan", "Thailand", "South Korea"],

answer: "Japan"

,

{

question: "What is the national animal of India?",

options: ["Lion", "Tiger", "Elephant", "Peacock"],

answer: "Tiger"

}

};

```
let currentQuestion = 0;
```

```
let score = 0;
```

```
const questionEl = document.getElementById('question');
```

```
const optionsEl = document.getElementById('options');
```

```
const nextBtn = document.getElementById('nextBtn');
```

```
const resultEl = document.getElementById('result');
```

```
const quizEl = document.getElementById('quiz');
```

```
const scoreEl = document.querySelector('.score');
```

```
function loadQuestion() {
```

```
  const currentQuiz = quizData[currentQuestion];
```

```
  questionEl.textContent = currentQuiz.question;
```

```
  optionsEl.innerHTML = "";
```

```
  currentQuiz.options.forEach(option => {
```

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

```
    btn.classList.add("option", "btn", "btn-light", "w-100");
```

```

btn.textContent = option;

btn.onclick = () => selectOption(btn, currentQuiz.answer);

optionsEl.appendChild(btn);

});

}

function selectOption(selectedBtn, correctAnswer) {

const allOptions = document.querySelectorAll(".option");

allOptions.forEach(btn => btn.disabled = true);

if (selectedBtn.textContent === correctAnswer) {

selectedBtn.classList.remove("btn-light");

selectedBtn.classList.add("btn-success");

score++;

} else {

selectedBtn.classList.remove("btn-light");

selectedBtn.classList.add("btn-danger");

}

}

nextBtn.addEventListener('click', () => {

currentQuestion++;

if (currentQuestion < quizData.length) {

loadQuestion();

} else {

showResult();

}

});

}

```

```
function showResult() {  
    quizEl.classList.add("d-none");  
    resultEl.classList.remove("d-none");  
    scoreEl.textContent = `Your Score: ${score} / ${quizData.length}`;  
}  
  
function restartQuiz() {  
    currentQuestion = 0;  
    score = 0;  
    quizEl.classList.remove("d-none");  
    resultEl.classList.add("d-none");  
    loadQuestion();  
}  
  
loadQuestion();  
</script>  
</body>  
</html>
```

Output:

