

---

**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;
    }
  </style>
```



---

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();  
}
```

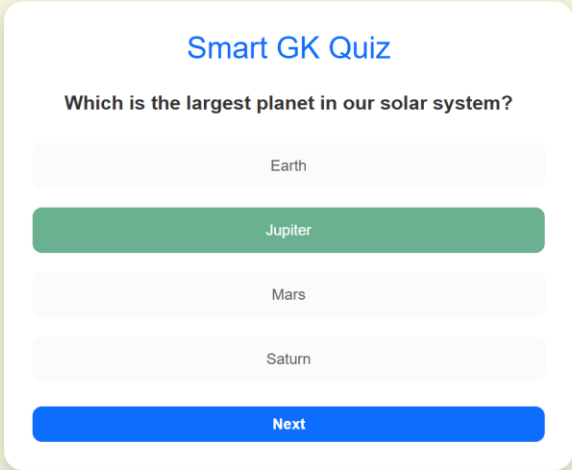
```
loadQuestion();
```

```
</script>
```

```
</body>
```

```
</html>
```

Output:



The image shows a web-based quiz interface titled "Smart GK Quiz". The question is "Which is the largest planet in our solar system?". There are four radio button options: Earth, Jupiter, Mars, and Saturn. The "Jupiter" option is selected, indicated by a green bar. At the bottom, there is a blue "Next" button.

**Smart GK Quiz**

Which is the largest planet in our solar system?

☐ Earth

☒ Jupiter

☐ Mars

☐ Saturn

**Next**