

MINI PROJECT: Simple JavaScript Quiz App

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<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
</head>

<body>
  <div class="panel">
    <h1>Simple JavaScript Quiz App</h1>
    <div class="question" id="ques"></div>
    <div class="options" id="opt"></div>
    <button onclick="checkAns()" id="btn">SUBMIT</button>
    <div id="score"></div>
    <script src="script.js"></script>
  </div>

</body>

</html>

<style>body {
  background-color: rgb(250, 250, 250);
}

.panel {
  margin-top: 8%;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  color: navy;
}

.question {
  font-size: 40px;
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    margin-bottom: 20px;
}

.options {
    font-size: 20px;
    display: grid;
    grid-template-columns: repeat(2, 1fr);
    grid-gap: 20px;
    margin-top: 10px;
    margin-bottom: 20px;
    position: fixed;
    top: 40%;
    left: 40%;
}

button {
    margin-right: 75px;
    margin-top: 17%;
    font-size: 20px;
    padding: 10px 20px;
    background-color: #4f92e9;
    color: white;
    border: none;
    cursor: pointer;
}

#score {
    font-size: 30px;
    color: rgb(5, 5, 5);
}
</style>
<script>
const Questions = [{
    q: "JavaScript was invented by ",
    a: [{ text: "Dennis Ritchie", isCorrect: false },
        { text: "Guido van Rossum", isCorrect: false },
        { text: "Brendan Eich", isCorrect: true },
        { text: "Bjarne Stroustrup", isCorrect: false }
    ]
},
{
    q: "How do you create a function in JavaScript?" ,
    a: [{ text: "function = myFunction()", isCorrect: false},
        { text: "function myFunction()", isCorrect: true },

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    { text: "function:myFunction()", isCorrect: false },
    { text: "function.myFunction()", isCorrect: false }
  ]
},
{
  q: "which method removes the last element from array",
  a: [{ text: "push()", isCorrect: false },
    { text: "shift()", isCorrect: false },
    { text: "pop()", isCorrect: true },
    { text: "unshift()", isCorrect: false }
  ]
},
{
  q: "How can you add a comment in a JavaScript?",
  a: [{ text: "//This is a comment", isCorrect: true},
    { text: "<-- This is a comment-->", isCorrect: false },
    { text: "**This is a comment**", isCorrect: false },
    { text: "!This is a comment!", isCorrect: false }
  ]
},
{
  q: "JavaScript is the same as Java",
  a: [{ text: "False", isCorrect: true},
    { text: "True", isCorrect: false },
  ]
},
{
  q: "Is JavaScript case-sensitive?",
  a: [{ text: "Yes", isCorrect: true},
    { text: "No", isCorrect: false },
  ]
},
],
]

let currQuestion = 0
let score = 0

function loadQues() {

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const question = document.getElementById("ques")
const opt = document.getElementById("opt")

question.textContent = Questions[currQuestion].q;
opt.innerHTML = ""

for (let i = 0; i < Questions[currQuestion].a.length; i++) {
  const choicesdiv = document.createElement("div");
  const choice = document.createElement("input");
  const choiceLabel = document.createElement("label");

  choice.type = "radio";
  choice.name = "answer";
  choice.value = i;

  choiceLabel.textContent = Questions[currQuestion].a[i].text;

  choicesdiv.appendChild(choice);
  choicesdiv.appendChild(choiceLabel);
  opt.appendChild(choicesdiv);
}
}

loadQues();

function loadScore() {
  const totalScore = document.getElementById("score")
  totalScore.textContent = `You scored ${score} out of ${Questions.length}`
}

function nextQuestion() {
  if (currQuestion < Questions.length - 1) {
    currQuestion++;
    loadQues();
  } else {
    document.getElementById("opt").remove()
    document.getElementById("ques").remove()
    document.getElementById("btn").remove()
    loadScore();
  }
}

function checkAns() {

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    const selectedAns =  
parseInt(document.querySelector('input[name="answer"]:checked').value);  
  
    if (Questions[currQuestion].a[selectedAns].isCorrect) {  
        score++;  
        console.log("Correct")  
        nextQuestion();  
    } else {  
        nextQuestion();  
    }  
}  
</script>  
</body>  
</html>
```