

MINIPROJECT-1

HTML,CSS,JAVASCRIPT:

```
<!DOCTYPE html>
<html>
<head>
<title>Quiz App</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<div class="container">
<h3>Questions:</h3>
<div id="quiz"></div>
<div id="result" class="result"></div>
<button id="submit" class="button">Submit</button>
<button id="retry" class="button hide">Retry</button>
<button id="showAnswer" class="button hide">Show Answer</button>
</div>
<script src="script.js"></script>
</body>
</html>

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;700&
display=swap');
body {
font-family: 'Poppins', sans-serif;
background: #b9b3a9;
display: flex;
justify-content: center;
}
.container {
width: 450px;
padding: 20px;
margin-top: 80px;
background-color: #fff;
box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
border-radius: 20px;
}
h1 {
text-align: center;
}
```

```
.question {
font-weight: bold;
margin-bottom: 10px;
}

.options {
margin-bottom: 20px;
}

.option {
display: block;
margin-bottom: 10px;
}

.button {
display: inline-block;
padding: 10px 20px;
background-color: #428bca;
color: #fff;
border: none;
cursor: pointer;
font-size: 16px;
border-radius: 4px;
transition: background-color 0.3s;
margin-right: 10px;
}

.button:hover {
background-color: #3071a9;
}

.result {
text-align: center;
margin-top: 20px;
font-weight: bold;
}

.hide{
display: none;
}

const quizData = [
{
question: 'What is the non-primitive datatype in javascript?',
options: ['Undefined', 'Boolean', 'Object', 'null'],
answer: 'Object',
},
{
```

```
question: 'Which method is used to add element at the front of an
array?',
options: ['Push', 'Unshift', 'Shift', 'Pop'],
answer: 'Unshift',
},
{
question: 'Which data types has wrapper representation?',
options: ['Null', 'Symbol', 'Undefined', 'Number'],
answer: 'Number',
},
{
question: 'What is the first name of javascript?',
options: ['ABC', 'Ruby', 'Oak', 'Mocha'],
answer: 'Mocha',
},
{
question: 'Who invented javascript?',
options: [
'Brendan Eich',
'Dennis Ritchie',
' Guido van Rossum',
' Tim Berners-Lee',
],
answer: 'Brendan Eich',
},
{
question: 'Which keyword in javascript can be re-declared and
updated?',
options: ['let', 'const', 'var', 'All the 3'],
answer: 'var',
},
{
question: 'Which tag is used to specify javascript?',
options: [
'<head>',
'<body>',

'<script>',
'<html>',
],
answer: '<script>',
},
{
```

```

question: '"delete" does not work when var keyword is used.',
options: ['True', 'False', 'May be', 'None'],
answer: 'True',
},
{
question: 'What does the line "new Date().get Day() " prints ?',
options: [
'Current date ',
'Current day',
'Current date and day',
'Undefined',
],
answer: 'Current day',
},
{
question: 'Which keyword is used to invoke constructor in Java
script?',
options: ['finally', 'new', 'this', 'static'],
answer: 'new',
},
];

const quizContainer = document.getElementById('quiz');
const resultContainer = document.getElementById('result');
const submitButton = document.getElementById('submit');
const retryButton = document.getElementById('retry');
const showAnswerButton = document.getElementById('showAnswer');
let currentQuestion = 0;
let score = 0;
let incorrectAnswers = [];
function shuffleArray(array) {
for (let i = array.length - 1; i > 0; i--) {
const j = Math.floor(Math.random() * (i + 1));
[array[i], array[j]] = [array[j], array[i]];
}
}
function displayQuestion() {

const questionData = quizData[currentQuestion];
const questionElement = document.createElement('div');
questionElement.className = 'question';
questionElement.innerHTML = questionData.question;
const optionsElement = document.createElement('div');
optionsElement.className = 'options';

```

```

const shuffledOptions = [...questionData.options];
shuffleArray(shuffledOptions);
for (let i = 0; i < shuffledOptions.length; i++) {
const option = document.createElement('label');
option.className = 'option';
const radio = document.createElement('input');
radio.type = 'radio';
radio.name = 'quiz';
radio.value = shuffledOptions[i];
const optionText = document.createTextNode(shuffledOptions[i]);
option.appendChild(radio);
option.appendChild(optionText);
optionsElement.appendChild(option);
}
quizContainer.innerHTML = '';
quizContainer.appendChild(questionElement);
quizContainer.appendChild(optionsElement);
}

function checkAnswer() {
const selectedOption =
document.querySelector('input[name="quiz"]:checked');
if (selectedOption) {
const answer = selectedOption.value;
if (answer === quizData[currentQuestion].answer) {
score++;
} else {
incorrectAnswers.push({
question: quizData[currentQuestion].question,
incorrectAnswer: answer,
correctAnswer: quizData[currentQuestion].answer,
});
}
currentQuestion++;
selectedOption.checked = false;
if (currentQuestion < quizData.length) {
displayQuestion();
} else {
displayResult();
}
}
}

function displayResult() {

```

```

quizContainer.style.display = 'none';
submitButton.style.display = 'none';
retryButton.style.display = 'inline-block';
showAnswerButton.style.display = 'inline-block';
resultContainer.innerHTML = `You scored ${score} out of
${quizData.length}!`;
if(score > 8){
resultContainer.innerHTML = `You scored ${score} out of
${quizData.length}. Excellent!`;
}
else if(score > 5 && score < 8){
resultContainer.innerHTML = `You scored ${score} out of
${quizData.length}.
Good job!`;
}
else{
resultContainer.innerHTML = `You scored ${score} out of
${quizData.length}.
Keep practising.`;
}
}

function retryQuiz() {
currentQuestion = 0;
score = 0;
incorrectAnswers = [];
quizContainer.style.display = 'block';
submitButton.style.display = 'inline-block';
retryButton.style.display = 'none';
showAnswerButton.style.display = 'none';
resultContainer.innerHTML = '';
displayQuestion();
}

function showAnswer() {
quizContainer.style.display = 'none';

submitButton.style.display = 'none';
retryButton.style.display = 'inline-block';
showAnswerButton.style.display = 'none';
let incorrectAnswersHtml = '';
for (let i = 0; i < incorrectAnswers.length; i++) {
incorrectAnswersHtml += `
<p>
<strong>Question:</strong> ${incorrectAnswers[i].question}<br>

```

```
<strong>Your Answer:</strong>
${incorrectAnswers[i].incorrectAnswer}<br>

<strong>Correct Answer:</strong> ${incorrectAnswers[i].correctAnswer}
</p>
`;
}
resultContainer.innerHTML = `
<p>You scored ${score} out of ${quizData.length}!</p>
<p>Incorrect Answers:</p>
${incorrectAnswersHtml}
`;
}
submitButton.addEventListener('click', checkAnswer);
retryButton.addEventListener('click', retryQuiz);
showAnswerButton.addEventListener('click', showAnswer);
displayQuestion();
```