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DEPT : IT

MINI PROJECT – QUIZ WITH JAVASCRIPT

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Quizz</title>
  <link rel="stylesheet" href="quizz.css">
</head>
<body>
  <div class="quiz-container">
    <h1>QUIZ WITH JAVASCRIPT</h1>
    <div class="question-container">
      <p id="question-text"></p>
    </div>
    <div class="options-container" id="options-container">
    </div>
    <div class="info-container">
      <p>Time Left: <span id="timer">30</span> seconds</p>
      <p>Score: <span id="score">0</span></p>
    </div>
  </div>
  <button id="start-button">Start Quiz</button>
  <script src="quiz.js"></script>
</body>
</html>
```

JAVASCRIPT :

```
const questions = [
  {
    question: "Name one heavy metal?",
    options: ["Sodium", "Mercury", "Iron", "Osmium"],
    correctAnswer: "Mercury",
  },
  {
    question: "Aureolin is a shade of what color?",
    options: ["Blue", "Black", "Yellow", "Red"],
    correctAnswer: "Yellow",
  },
  {
    question: "How many bones do we have in an ear?",
    options: ["5", "2", "1", "3"],
    correctAnswer: "3",
  },
];

let currentQuestionIndex = 0;
let score = 0;
let timer;

const startButton = document.getElementById("start-button");
const questionText = document.getElementById("question-text");
const optionsContainer = document.getElementById("options-container");
const timerElement = document.getElementById("timer");
const scoreElement = document.getElementById("score");

function startQuiz() {
  startButton.style.display = "none";
  loadQuestion();
  timer = setInterval(updateTimer, 1000);
}

function loadQuestion() {
  if (currentQuestionIndex < questions.length) {
    const currentQuestion = questions[currentQuestionIndex];
    questionText.textContent = currentQuestion.question;
    optionsContainer.innerHTML = "";
    currentQuestion.options.forEach((option) => {
      const button = document.createElement("button");
```

```

        button.textContent = option;
        button.addEventListener("click", checkAnswer);
        optionsContainer.appendChild(button);
    });
} else {
    finishQuiz();
}
}

function checkAnswer(event) {
    const selectedOption = event.target.textContent;
    const currentQuestion = questions[currentQuestionIndex];
    if (selectedOption === currentQuestion.correctAnswer) {
        score++;
    }
    currentQuestionIndex++;
    loadQuestion();
}

function updateTimer() {
    const timerValue = parseInt(timerElement.textContent);
    if (timerValue > 0) {
        timerElement.textContent = timerValue - 1;
    } else {
        clearInterval(timer);
        finishQuiz();
    }
}

function finishQuiz() {
    questionText.textContent = "Quiz Finished!";
    optionsContainer.innerHTML = "";
    scoreElement.textContent = `Score: ${score} out of ${questions.length}`;
}

startButton.addEventListener("click", startQuiz);

```

CSS:

```

body {
    font-family: Arial, sans-serif;
    text-align: center;
    background-image: url("Quiz.jpg");
}

.quiz-container {

```

```

background-color: #86cbe0;
padding: 20px;
border-radius: 10px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
margin: 20px auto;
max-width: 500px;
}

h1 {
  color: #333;
}

.options-container {
  display: flex;
  flex-direction: column;
}

button {
  margin: 10px;
  padding: 10px 20px;
  background-color: #f5f7aa;
  color: rgb(17, 16, 16);
  border: none;
  border-radius: 5px;
  cursor: pointer;
}

button:hover {
  background-color: #e5ec79;
}

```

BACKGROUND IMAGE :



OUTPUT:



