```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Online Quiz App</title>
 <style>
  body {
   font-family: Arial, sans-serif;
   background: #f4f7fc;
   display: flex;
   justify-content: center;
   align-items: center;
   height: 100vh;
   margin: 0;
  }
  .quiz-container {
   background: white;
   width: 400px;
   border-radius: 12px;
   box-shadow: 0 4px 10px rgba(0,0,0,0.1);
   padding: 20px;
   text-align: center;
  }
  h2 {
   margin-bottom: 15px;
```

```
}
.options {
  display: flex;
  flex-direction: column;
  gap: 10px;
  margin-bottom: 15px;
}
button {
  padding: 10px;
  border: none;
  border-radius: 6px;
  cursor: pointer;
  font-size: 16px;
}
.option-btn {
  background: #e6e6e6;
}
.option-btn:hover {
  background: #d4d4d4;
}
.correct {
  background: #4CAF50 !important;
  color: white;
}
.wrong {
  background: #f44336 !important;
```

```
    color: white;
   }
   #next-btn {
    background: #007bff;
    color: white;
    display: none;
   }
   #timer {
    font-weight: bold;
    margin-bottom: 10px;
   }
  </style>
</head>
<body>

<div class="quiz-container">
  <h2>Quiz App</h2>
  <div id="timer">Time Left: <span id="time">15</span>s</div>
  <div id="question">Question text</div>
  <div class="options" id="options"></div>
  <button id="next-btn">Next</button>
  <div id="score"></div>
</div>

<script>
  const questions = [
```

```
{
  question: "Which language is used for styling web pages?",
  answers: ["HTML", "JQuery", "CSS", "XML"],
  correct: 2
},
{
  question: "Which is not a JavaScript framework?",
  answers: ["Python Script", "JQuery", "Django", "NodeJS"],
  correct: 2
},
{
  question: "Which is used to connect DB in PHP?",
  answers: ["mysqli_connect", "mysql_connect", "new_connection", "connect_db"],
  correct: 0
},
{
  question : "Which data structure uses the Last In First Out (LIFO) principle?",
  answers: ["Queue","stack","array","linkedlist"],
  correct:1
},
{
  question :" Which of the following sorting algorithms has the best average-case time complexity?",
  answers :["Bubble Sort","Insertion Sort","Merge Sort","Selection Sort"],
  correct:2
```

```
 },
 {
  question : "What is the time complexity of binary search in a sorted array?",
  answers:["O(n)","O(n log n)","O(log n)","O(1)"],
  correct:2
 },
 {
  question:"Which of the following is NOT a programming paradigm?",
  answers:["Object-Oriented","Procedural","Functiona","Compilation"],
  correct:3

 }
];

let currentQ = 0;
let score = 0;
let timer;
let timeLeft = 15;

const questionEl = document.getElementById("question");
const optionsEl = document.getElementById("options");
const nextBtn = document.getElementById("next-btn");
const scoreEl = document.getElementById("score");
const timeEl = document.getElementById("time");

function startQuiz() {
```

```
  currentQ = 0;
  score = 0;
  nextBtn.style.display = "none";
  scoreEl.innerHTML = "";
  loadQuestion();
}

function loadQuestion() {
  resetState();
  startTimer();
  let q = questions[currentQ];
  questionEl.textContent = q.question;
  q.answers.forEach((answer, index) => {
    const btn = document.createElement("button");
    btn.textContent = answer;
    btn.classList.add("option-btn");
    btn.addEventListener("click", () => selectAnswer(btn, index));
    optionsEl.appendChild(btn);
  });
}

function resetState() {
  nextBtn.style.display = "none";
  optionsEl.innerHTML = "";
  clearInterval(timer);
  timeLeft = 15;
```

```
  timeEl.textContent = timeLeft;
}

function selectAnswer(button, index) {
  clearInterval(timer);
  let correctIndex = questions[currentQ].correct;
  if (index === correctIndex) {
    button.classList.add("correct");
    score++;
  } else {
    button.classList.add("wrong");
  }
  Array.from(optionsEl.children).forEach((btn, i) => {
    btn.disabled = true;
    if (i === correctIndex) btn.classList.add("correct");
  });
  nextBtn.style.display = "block";
}

function startTimer() {
  timer = setInterval(() => {
    timeLeft--;
    timeEl.textContent = timeLeft;
    if (timeLeft <= 0) {
      clearInterval(timer);
      nextBtn.style.display = "block";
```

```
      Array.from(optionsEl.children).forEach(btn => btn.disabled = true);
    }
  }, 1000);
 }

 nextBtn.addEventListener("click", () => {
  currentQ++;
  if (currentQ < questions.length) {
   loadQuestion();
  } else {
   endQuiz();
  }
 });

 function endQuiz() {
  resetState();
  questionEl.textContent = "Quiz Completed!";
  scoreEl.innerHTML = `<h3>Your Score: ${score} / ${questions.length}</h3>`;
 }

 startQuiz();
</script>

</body>
</html>
```