REG NO.: 412422205009

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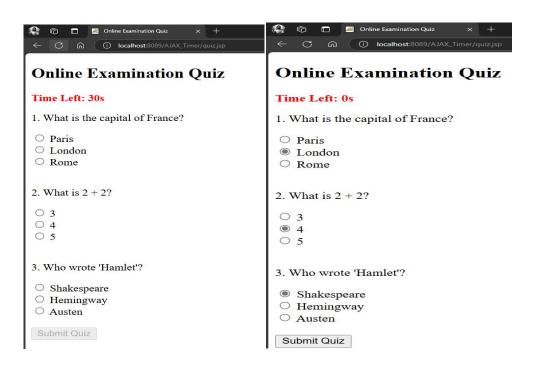
SOURCE CODE:

```
quiz.jsp
<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
  <title>Online Examination Quiz</title>
  <script>
    let timerDuration = 30; // Set timer for 30 seconds
    let interval;
    function startTimer() {
       let countdownDisplay = document.getElementById("timer");
       let submitButton = document.getElementById("submitButton");
       submitButton.disabled = true; // Disable the submit button initially
       interval = setInterval(() => {
         if (timerDuration > 0) {
           timerDuration--;
           countdownDisplay.innerText = "Time Left: " + timerDuration + "s";
         } else {
           clearInterval(interval);
           submitButton.disabled = false; // Enable the submit button when time is up
         }
       }, 1000);
    function submitQuiz() {
       const xhr = new XMLHttpRequest();
       xhr.open("POST", "submitQuiz.jsp", true);
       xhr.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");
       // Get answers and send to server
       let answers = [];
       answers.push(document.querySelector('input[name="q1"]:checked').value);
       answers.push (document.query Selector ('input[name="q2"]: checked').value);\\
       answers.push(document.querySelector('input[name="q3"]:checked').value);
       xhr.send("answers=" + JSON.stringify(answers));
```

```
xhr.onload = function() {
        if (xhr.status === 200) {
          alert("Quiz submitted! " + xhr.responseText);
        }
      };
    }
    window.onload = startTimer;
  </script>
</head>
<body>
  <h2>Online Examination Quiz</h2>
  <!-- Timer display -->
  <div id="timer" style="color: red; font-weight: bold;">Time Left: 30s</div>
  <!-- Quiz Questions -->
  <form id="quizForm">
    1. What is the capital of France?
    <label><input type="radio" name="q1" value="Paris"> Paris</label><br>
    <label><input type="radio" name="q1" value="London"> London</label><br>
     2. What is 2 + 2? 
    <label><input type="radio" name="q2" value="3"> 3</label><br>
    <label><input type="radio" name="q2" value="4"> 4</label><br>
    <label><input type="radio" name="q2" value="5"> 5</label><br><br></label>
    3. Who wrote 'Hamlet'?
    <label><input type="radio" name="q3" value="Shakespeare"> Shakespeare</label><br/>br>
    <label><input type="radio" name="q3" value="Hemingway"> Hemingway</label><br>
    <label><input type="radio" name="q3" value="Austen"> Austen</label><br><br><br><br></label></label></label>
    <!-- Submit Button -->
    <button type="button" id="submitButton" onclick="submitQuiz()">Submit Quiz</button>
  </form>
</body>
</html>
```

submitQuiz.jsp <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%> <% String answers = request.getParameter("answers"); response.setContentType("text/plain"); response.getWriter().write("Your answers have been submitted successfully!"); %>

OUTPUT:



localhost:8089 says

Quiz submitted! Your answers have been submitted successfully!

OK