

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.querySelector('input[name="q2"]:checked').value);
      answers.push(document.querySelector('input[name="q3"]:checked').value);
      xhr.send("answers=" + JSON.stringify(answers));
    }
  </script>
</head>
</html>
```

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    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">
        <p>1. What is the capital of France?</p>
        <label><input type="radio" name="q1" value="Paris"> Paris</label><br>
        <label><input type="radio" name="q1" value="London"> London</label><br>
        <label><input type="radio" name="q1" value="Rome"> Rome</label><br><br>

        <p>2. What is 2 + 2?</p>
        <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>

        <p>3. Who wrote 'Hamlet'?</p>
        <label><input type="radio" name="q3" value="Shakespeare"> Shakespeare</label><br>
        <label><input type="radio" name="q3" value="Hemingway"> Hemingway</label><br>
        <label><input type="radio" name="q3" value="Austen"> Austen</label><br><br>

        <!-- 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 :

