**REG NO. : 412422205009**

**NAME : AKASH RAJ L**

**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));

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"%>

<%

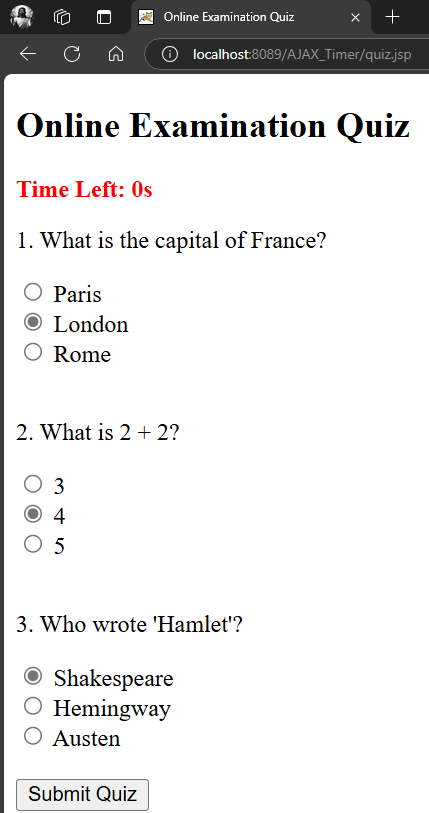
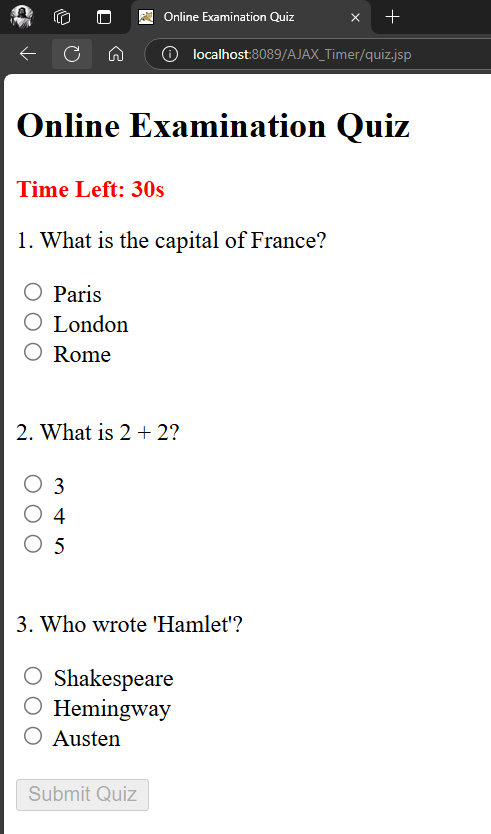
String answers = request.getParameter("answers");

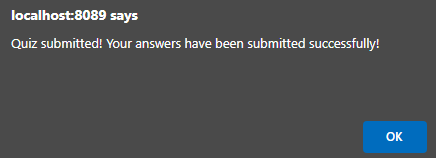
response.setContentType("text/plain");

response.getWriter().write("Your answers have been submitted successfully!");

%>

**OUTPUT :**

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