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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Creative Online Quiz</title>
  <style>
    * {
      box-sizing: border-box;
      font-family: 'Segoe UI', sans-serif;
    }
    body {
      background: linear-gradient(135deg, #ffecd2 0%, #fcb69f 100%);
      margin: 0;
      display: flex;
      align-items: center;
      justify-content: center;
      height: 100vh;
    }

    .container {
      background: white;
      border-radius: 12px;
      padding: 30px;
      width: 400px;
      box-shadow: 0 10px 30px rgba(0,0,0,0.2);
      animation: fadeIn 1s ease-in-out;
    }

    @keyframes fadeIn {
      from { opacity: 0; transform: scale(0.9); }
      to { opacity: 1; transform: scale(1); }
    }

    h2 {
      text-align: center;
      color: #ff6f61;
    }

    input, button {
      width: 100%;
      padding: 12px;
      margin-top: 10px;
      border-radius: 8px;
      border: 1px solid #ccc;
    }
```

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    font-size: 16px;
}

button {
    background-color: #ff6f61;
    color: white;
    border: none;
    cursor: pointer;
}

button:hover {
    background-color: #e6544e;
}

.hidden {
    display: none;
}

.question {
    margin-bottom: 20px;
}

.score {
    font-weight: bold;
    text-align: center;
    font-size: 18px;
    margin-top: 20px;
    color: #4caf50;
}

label {
    display: block;
    margin-top: 5px;
}
</style>
</head>
<body>

<div class="container" id="loginContainer">
    <h2>Login to Start Quiz</h2>
    <input type="text" id="username" placeholder="Username">
    <input type="password" id="password" placeholder="Password">
    <button onclick="login()">Login</button>
    <div id="loginMessage" style="color:red; margin-top:10px;"></div>
```

</div>

<div class="container hidden" id="quizContainer">

<h2>General Knowledge Quiz</h2>

<form id="quizForm">

<div class="question">

<p>1. What is the capital of Japan?</p>

<label><input type="radio" name="q1" value="Tokyo"> Tokyo</label>

<label><input type="radio" name="q1" value="Osaka"> Osaka</label>

<label><input type="radio" name="q1" value="Kyoto"> Kyoto</label>

</div>

<div class="question">

<p>2. Which planet is known as the Red Planet?</p>

<label><input type="radio" name="q2" value="Mars"> Mars</label>

<label><input type="radio" name="q2" value="Earth"> Earth</label>

<label><input type="radio" name="q2" value="Jupiter"> Jupiter</label>

</div>

<div class="question">

<p>3. HTML stands for?</p>

<label><input type="radio" name="q3" value="HyperText Markup Language"> HyperText Markup Language</label>

<label><input type="radio" name="q3" value="HighText Machine Language"> HighText Machine Language</label>

<label><input type="radio" name="q3" value="Home Tool Markup Language"> Home Tool Markup Language</label>

</div>

<button type="button" onclick="submitQuiz()">Submit Quiz</button>

<div id="score" class="score"></div>

<div id="explanation" style="margin-top:10px;"></div>

</form>

</div>

<script>

const correctUsername = "student";

const correctPassword = "quiz123";

function login() {

const user = document.getElementById("username").value.trim();

const pass = document.getElementById("password").value.trim();

const message = document.getElementById("loginMessage");

```

    if (user === correctUsername && pass === correctPassword) {
        document.getElementById("loginContainer").classList.add("hidden");
        document.getElementById("quizContainer").classList.remove("hidden");
    } else {
        message.textContent = "Invalid username or password!";
    }
}

function submitQuiz() {
    const answers = {
        q1: "Tokyo",
        q2: "Mars",
        q3: "HyperText Markup Language"
    };

    let score = 0;
    let explanation = "";
    const total = Object.keys(answers).length;

    for (let key in answers) {
        const selected = document.querySelector(`input[name="${key}"]:checked`);
        if (selected) {
            if (selected.value === answers[key]) {
                score++;
                explanation += `<p><b>${key.toUpperCase()}:</b> Correct!</p>`;
            } else {
                explanation += `<p><b>${key.toUpperCase()}:</b> Incorrect. Correct answer is
<b>${answers[key]}</b>.</p>`;
            }
        } else {
            explanation += `<p><b>${key.toUpperCase()}:</b> Not answered. Correct answer is
<b>${answers[key]}</b>.</p>`;
        }
    }

    document.getElementById("score").innerHTML = `Your Score: ${score}/${total}`;
    document.getElementById("explanation").innerHTML = explanation;
}
</script>

</body>
</html>

```

OUTPUT:

Login to Start Quiz

General Knowledge Quiz

1. What is the capital of Japan?

- Tokyo ☒
- Osaka ☐
- Kyoto ☐

2. Which planet is known as the Red Planet?

- Mars ☒
- Earth ☐
- Jupiter ☐

3. HTML stands for?

- HyperText Markup Language ☒
- HighText Machine Language ☐
- Home Tool Markup Language ☐

Submit Quiz

Your Score: 3/3

Q1: ☒ Correct!

Q2: ☒ Correct!

Q3: ☒ Correct!