

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Online Quiz</title>
  <style>
    /* Global styles */
    body {
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      background-color: #f4f7fc;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      color: #333;
    }

    /* Main container */
    .container {
      background-color: white;
      border-radius: 12px;
      box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);
      padding: 40px 50px;
      width: 100%;
      max-width: 600px;
      text-align: center;
      transition: all 0.3s ease-in-out;
    }

    /* Header styling */
    h1 {
      color: #4A90E2;
      font-size: 2.4em;
      margin-bottom: 30px;
    }

    /* Question styling */
    .question {
      font-size: 1.1em;
      margin-bottom: 20px;
      text-align: left;
    }

    /* Answer options */
    .answers {
      display: flex;
      flex-direction: column;
      align-items: flex-start;
      margin-bottom: 25px;
    }

    .answers label {
      font-size: 1em;
      margin-bottom: 10px;
      cursor: pointer;
      transition: transform 0.3s ease;
    }

    .answers input[type="radio"] {
      margin-right: 10px;
      transform: scale(1.2);
    }

    .answers label:hover {
      transform: scale(1.05);
    }

    /* Button styling */
    #submit-btn {
      background-color: #4A90E2;
      color: white;
      border: none;
      padding: 12px 25px;
      font-size: 1.1em;
      cursor: pointer;
      border-radius: 30px;
      transition: background-color 0.3s ease, transform 0.3s ease;
      margin-top: 30px;
    }

    #submit-btn:hover {
      background-color: #357ABD;
      transform: translateY(-2px);
    }

    /* Result styling */
    #result {
      margin-top: 30px;
      font-size: 1.3em;
      font-weight: bold;
      color: #333;
      opacity: 0;
      animation: fadeIn 0.5s forwards;
    }

    /* Fade-in animation */
    @keyframes fadeIn {
      to {
        opacity: 1;
      }
    }

    /* Responsiveness */
    @media (max-width: 768px) {
      .container {
        padding: 20px 25px;
      }

      h1 {
        font-size: 2em;
      }

      .question {
        font-size: 1em;
      }

      #submit-btn {
        font-size: 1em;
        padding: 10px 20px;
      }
    }
  </style>
</head>

```

```

<body>
  <div class="container">
    <h1>Online Quiz</h1>
    <div id="quiz-container">
      <!-- Questions will be injected here -->
    </div>
    <button id="submit-btn">Submit Quiz</button>
    <div id="result"></div>
  </div>

  <script>
    // Define quiz questions and answers
    const questions = [
      {
        question: "What is the capital of France?",
        answers: [
          { text: "Berlin", correct: false },
          { text: "Madrid", correct: false },
          { text: "Paris", correct: true },
          { text: "Rome", correct: false }
        ]
      },
      {
        question: "Which planet is known as the Red Planet?",
        answers: [
          { text: "Earth", correct: false },
          { text: "Mars", correct: true },
          { text: "Venus", correct: false },
          { text: "Jupiter", correct: false }
        ]
      },
      {
        question: "Who developed the theory of relativity?",
        answers: [
          { text: "Isaac Newton", correct: false },
          { text: "Albert Einstein", correct: true },
          { text: "Nikola Tesla", correct: false },
          { text: "Galileo Galilei", correct: false }
        ]
      }
    ];

    // Render the quiz questions and answers
    function renderQuiz() {
      const quizContainer = document.getElementById('quiz-container');
      questions.forEach((q, index) => {
        const questionElement = document.createElement('div');
        questionElement.classList.add('question');
        questionElement.innerHTML = `
          <p>${q.question}</p>
          <div class="answers">
            ${q.answers.map((answer, i) => `
              <label>
                <input type="radio" name="q${index}" value="${i}" /> ${answer.text}
              </label>
            `).join('')}
          </div>
        `;
        quizContainer.appendChild(questionElement);
      });
    }

    // Calculate the quiz score
    function calculateScore() {
      let score = 0;
      questions.forEach((q, index) => {
        const selectedAnswer = document.querySelector(`input[name="q${index}"]:checked`);
        if (selectedAnswer) {
          const answerIndex = parseInt(selectedAnswer.value);
          if (q.answers[answerIndex].correct) {
            score++;
          }
        }
      });
      return score;
    }

    // Display the result
    function showResult(score) {
      const resultElement = document.getElementById('result');
      resultElement.innerHTML = `You scored <span style="color: #4A90E2">${score}</span> out of ${questions.length}!`;
    }

    // Event listener for submit button
    document.getElementById('submit-btn').addEventListener('click', () => {
      const score = calculateScore();
      showResult(score);
    });

    // Initialize the quiz
    renderQuiz();
  </script>
</body>
</html>

```

# Online Quiz

What is the capital of France?

- ☐ Berlin
- ☒ Madrid
- ☐ Paris
- ☐ Rome

Which planet is known as the Red Planet?

- ☐ Earth
- ☒ Mars
- ☐ Venus
- ☐ Jupiter

Who developed the theory of relativity?

- ☐ Isaac Newton
- ☒ Albert Einstein
- ☐ Nikola Tesla
- ☐ Galileo Galilei

Submit Quiz

**You scored 2 out of 3!**

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Dynamic Clock & Wishing Program</title>
  <style>
    body {
      font-family: 'Arial', sans-serif;
      background-color: #f0f8ff;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }

    .container {
      text-align: center;
    }

    h1 {
      font-size: 2.5rem;
      color: #333;
      margin-bottom: 20px;
    }

    .clock {
      background-color: #ffeacd;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
    }

    h2 {
      font-size: 3rem;
      color: #2e8b57;
      font-weight: bold;
    }

    @media (max-width: 600px) {
      h1 {
        font-size: 1.8rem;
      }

      h2 {
        font-size: 2.5rem;
      }
    }
  </style>
</head>
<body>
  <div class="container">
    <h1 id="greeting"></h1>
    <div class="clock">
      <h2 id="current-time"></h2>
    </div>
  </div>

  <script>
    // Function to display the current time
    function updateClock() {
      const time = new Date();
      let hours = time.getHours();
      let minutes = time.getMinutes();
      let seconds = time.getSeconds();

      // Add leading zero if minutes or seconds are less than 10
      minutes = minutes < 10 ? '0' + minutes : minutes;
      seconds = seconds < 10 ? '0' + seconds : seconds;

      // Get the formatted time string
      const currentTime = `${hours}:${minutes}:${seconds}`;

      // Display the time on the webpage
      document.getElementById('current-time').textContent = currentTime;

      // Display greeting based on the time of the day
      let greetingMessage = '';
      if (hours < 12) {
        greetingMessage = "Good Morning!";
        alert("Good Morning!");
      } else if (hours < 18) {
        greetingMessage = "Good Afternoon!";
        alert("Good Afternoon!");
      } else {
        greetingMessage = "Good Evening!";
        alert("Good Evening!");
      }

      // Display greeting message on the webpage
      document.getElementById('greeting').textContent = greetingMessage;
    }

    // Update the clock every second
    setInterval(updateClock, 1000);

    // Call the function once to initialize the clock immediately
    updateClock();
  </script>
</body>
</html>

```

**Good Morning!**

**9:42:41**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Grade Calculator</title>
  <style>
    /* General styling */
    body {
      font-family: 'Arial', sans-serif;
      background: #f4f7f6;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }

    /* Container for form */
    .container {
      background: #ffffff;
      border-radius: 8px;
      box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
      padding: 40px;
      width: 400px;
      text-align: center;
    }

    h2 {
      font-size: 24px;
      margin-bottom: 20px;
      color: #333;
      font-weight: 600;
    }

    label {
      font-size: 14px;
      color: #666;
      margin-top: 10px;
      display: block;
      text-align: left;
    }

    input {
      width: 100%;
      padding: 12px;
      margin: 10px 0 20px 0;
      border: 1px solid #ccc;
      border-radius: 6px;
      font-size: 16px;
      transition: all 0.3s ease;
    }

    input:focus {
      border-color: #4CAF50;
      box-shadow: 0 0 8px rgba(76, 175, 80, 0.2);
    }

    /* Button styling */
    button {
      width: 100%;
      padding: 14px;
      background-color: #4CAF50;
      color: #fff;
      border: none;
      border-radius: 6px;
      font-size: 16px;
      cursor: pointer;
      transition: all 0.3s ease;
    }

    button:hover {
      background-color: #45a049;
      transform: scale(1.05);
    }

    /* Result styling */
    .result {
      margin-top: 20px;
      font-size: 18px;
      font-weight: 500;
      color: #333;
    }

    .result span {
      font-weight: bold;
    }

    /* Responsive design */
    @media (max-width: 480px) {
      .container {
        width: 90%;
        padding: 30px;
      }

      h2 {
        font-size: 22px;
      }

      input, button {
        font-size: 14px;
        padding: 10px;
      }
    }
  </style>
</head>
```

```

<body>

<div class="container">
  <h2>Grade Calculator</h2>
  <label for="subject1">Subject 1:</label>
  <input type="number" id="subject1" placeholder="Enter marks" required>

  <label for="subject2">Subject 2:</label>
  <input type="number" id="subject2" placeholder="Enter marks" required>

  <label for="subject3">Subject 3:</label>
  <input type="number" id="subject3" placeholder="Enter marks" required>

  <label for="subject4">Subject 4:</label>
  <input type="number" id="subject4" placeholder="Enter marks" required>

  <button onclick="calculateGrade()">Calculate Grade</button>

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

<script>
function calculateGrade() {
  // Get the marks from input fields
  var subject1 = parseFloat(document.getElementById("subject1").value);
  var subject2 = parseFloat(document.getElementById("subject2").value);
  var subject3 = parseFloat(document.getElementById("subject3").value);
  var subject4 = parseFloat(document.getElementById("subject4").value);

  // Check if all inputs are valid numbers
  if (isNaN(subject1) || isNaN(subject2) || isNaN(subject3) || isNaN(subject4)) {
    alert("Please enter valid marks for all subjects.");
    return;
  }

  // Calculate the average
  var average = (subject1 + subject2 + subject3 + subject4) / 4;

  // Determine the grade based on the average
  var grade = '';
  if (average > 90) {
    grade = 'A';
  } else if (average > 80) {
    grade = 'B';
  } else if (average > 70) {
    grade = 'C';
  } else if (average > 60) {
    grade = 'D';
  } else {
    grade = 'F'; // For average <= 60
  }

  // Display the result
  document.getElementById("result").innerHTML = `
    <p><span>Average:</span> ${average.toFixed(2)}</p>
    <p><span>Grade:</span> ${grade}</p>
  `;
}
</script>

</body>
</html>

```

## Grade Calculator

Subject 1:

56



Subject 2:

78



Subject 3:

85



Subject 4:

95



Calculate Grade

**Average: 78.50**

**Grade: C**