

Program 11

Design and develop a complete online exam using Html, CSS and JavaScript. Minimum 4-5 questions should be in the online exam, and the results should be displayed on completion.

onlineExam.html:

```
<html>
<head>
<title>PROGRAM 12</title>
<style>
body {
    font-family: Arial, Helvetica, sans-serif;
    background: #f5f7fa;
    margin: 0;
    padding: 20px;
}
.container {
    max-width: 700px;
    margin: auto;
    background: white;
    padding: 25px;
    border-radius: 10px;
    box-shadow: 0 0 10px rgba(0,0,0,0.1);
}
h1 {
    text-align: center;
    color: #2c3e50;
}
.info {
    text-align: center;
    color: #555;
    margin-bottom: 20px;
```

```
}

.question {
    margin-bottom: 20px;
    padding: 10px;
    border: 1px solid #ddd;
    border-radius: 8px;
    background: #fafafa;
}

.question p {
    margin-bottom: 10px;
    font-weight: bold;
}

label {
    display: block;
    margin: 5px 0;
}

button {
    background-color: #2c3e50;
    color: white;
    border: none;
    padding: 10px 20px;
    margin: 10px 5px;
    border-radius: 5px;
    cursor: pointer;
}

button:hover {
    background-color: #1a252f;
}

.result {
    text-align: center;
    font-size: 18px;
    font-weight: bold;
```

```
margin-top: 20px;  
}  
.hidden {  
display: none;  
}  
  
</style>  
</head>  
<body>  
<div class="container">  
<h1>Online Exam</h1>  
<p class="info">Answer all 10 questions and click <b>Submit</b> to see your score.</p>  
  
<form id="examForm">  
<div class="question">  
<p>1. Which tag is used to include JavaScript in HTML?</p>  
<label><input type="radio" name="q1" value="A"> &lt;js&gt;</label>  
<label><input type="radio" name="q1" value="B"> &lt;script&gt;</label>  
<label><input type="radio" name="q1" value="C"> &lt;javascript&gt;</label>  
<label><input type="radio" name="q1" value="D"> &lt;code&gt;</label>  
</div>  
  
<div class="question">  
<p>2. Which CSS property controls the inside spacing of an element?</p>  
<label><input type="radio" name="q2" value="A"> margin</label>  
<label><input type="radio" name="q2" value="B"> padding</label>  
<label><input type="radio" name="q2" value="C"> spacing</label>  
<label><input type="radio" name="q2" value="D"> border</label>  
</div>  
  
<div class="question">  
<p>3. What does DOM stand for?</p>
```

```
<label><input type="radio" name="q3" value="A"> Document Object Model</label>
<label><input type="radio" name="q3" value="B"> Data Object Method</label>
<label><input type="radio" name="q3" value="C"> Document Order Method</label>
<label><input type="radio" name="q3" value="D"> Display Object Model</label>
</div>
```

```
<div class="question">
<p>4. Which function displays data in the browser console?</p>
<label><input type="radio" name="q4" value="A"> print()</label>
<label><input type="radio" name="q4" value="B"> console.log()</label>
<label><input type="radio" name="q4" value="C"> display()</label>
<label><input type="radio" name="q4" value="D"> write()</label>
</div>
```

```
<div class="question">
<p>5. Which is the correct way to declare a JavaScript array?</p>
<label><input type="radio" name="q5" value="A"> var arr = {};</label>
<label><input type="radio" name="q5" value="B"> var arr = [];</label>
<label><input type="radio" name="q5" value="C"> var arr = ();</label>
<label><input type="radio" name="q5" value="D"> var arr = "";</label>
</div>
```

```
<!-- New 5 Questions -->
<div class="question">
<p>6. Which HTML tag is used to create a hyperlink?</p>
<label><input type="radio" name="q6" value="A"> &lt;link&gt;</label>
<label><input type="radio" name="q6" value="B"> &lt;href&gt;</label>
<label><input type="radio" name="q6" value="C"> &lt;a&gt;</label>
<label><input type="radio" name="q6" value="D"> &lt;url&gt;</label>
</div>
```

```
<div class="question">
```

<p>7. Which CSS property changes the text color?</p>

<label><input type="radio" name="q7" value="A"> color</label>

<label><input type="radio" name="q7" value="B"> text-color</label>

<label><input type="radio" name="q7" value="C"> font-color</label>

<label><input type="radio" name="q7" value="D"> bgcolor</label>

</div>

<div class="question">

<p>8. How can you write "Hello World" in an alert box?</p>

<label><input type="radio" name="q8" value="A"> alertBox("Hello World");</label>

<label><input type="radio" name="q8" value="B"> msg("Hello World");</label>

<label><input type="radio" name="q8" value="C"> alert("Hello World");</label>

<label><input type="radio" name="q8" value="D"> prompt("Hello World");</label>

</div>

<div class="question">

<p>9. Which symbol is used for single-line comments in JavaScript?</p>

<label><input type="radio" name="q9" value="A"> /* comment */</label>

<label><input type="radio" name="q9" value="B"> # comment</label>

<label><input type="radio" name="q9" value="C"> // comment</label>

<label><input type="radio" name="q9" value="D"> <!-- comment --> </label>

</div>

<div class="question">

<p>10. Which method is used to change the content of an HTML element?</p>

<label><input type="radio" name="q10" value="A"> innerHTML</label>

<label><input type="radio" name="q10" value="B"> document.change()</label>

<label><input type="radio" name="q10" value="C"> value()</label>

<label><input type="radio" name="q10" value="D"> writeHTML()</label>

</div>

<div style="text-align:center;">

```
<button type="button" onclick="submitExam()">Submit</button>
<button type="reset">Reset</button>
</div>
</form>

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

</div>

<script>
function submitExam() {
  const answers = {
    q1: "B", q2: "B", q3: "A", q4: "B", q5: "B",
    q6: "C", q7: "A", q8: "C", q9: "C", q10: "A"
  };
  let form = document.getElementById("examForm");
  let total = 10;
  let score = 0;

  for (let i = 1; i <= total; i++) {
    let q = form["q" + i].value;
    if (!q) {
      alert("Please answer all questions before submitting.");
      return;
    }
  }

  for (let i = 1; i <= total; i++) {
    let selected = form["q" + i].value;
    if (selected === answers["q" + i]) score++;
  }
}
```

```
let result = document.getElementById("result");
result.classList.remove("hidden");
let percent = (score / total) * 100;

result.innerHTML = "You scored " + score + " out of " + total +
" (" + percent.toFixed(0) + "%) - ";

result.innerHTML += "<b>Correct Answers:</b><br>" +
"1. &lt;script&gt;<br>" +
"2. padding<br>" +
"3. Document Object Model<br>" +
"4. console.log()<br>" +
"5. var arr = []<br>" +
"6. &lt;a&gt;<br>" +
"7. color<br>" +
"8. alert('Hello World')<br>" +
"9. // comment<br>" +
"10. innerHTML<br>";

result.scrollIntoView({ behavior: "smooth" });

}

</script>
</body>
</html>
```

OUTPUT:

Online Exam

Answer all 10 questions and click Submit to see your score.

1. Which tag is used to include JavaScript in HTML?

<js>
 <script>
 <javascript>
 <code>

2. Which CSS property controls the inside spacing of an element?

margin
 padding
 spacing
 border

3. What does DOM stand for?

Document Object Model
 Data Object Method
 Document Order Method
 Display Object Model

4. Which function displays data in the browser console?

print()
 console.log()
 display()
 write()

5. Which is the correct way to declare a JavaScript array?

var arr = {};
 var arr = [];
 var arr = ();
 var arr = "";

6. Which HTML tag is used to create a hyperlink?

<link>
 <href>
 <>
 <url>

7. Which CSS property changes the text color?

color
 text-color
 font-color
 bgcolor

8. How can you write "Hello World" in an alert box?

alertBox("Hello World");
 msg("Hello World");
 alert("Hello World");
 prompt("Hello World");

9. Which symbol is used for single-line comments in JavaScript?

/* comment */
 # comment
 // comment
 <!-- comment -->

10. Which method is used to change the content of an HTML element?

innerHTML
 document.change()
 value()
 writeHTML()

You scored 6 out of 10 (60%) - **Correct Answers:**

1. <script>
2. padding
3. Document Object Model

9. Which symbol is used for single-line comments in JavaScript?

- /* comment */
- # comment
- // comment
- <!-- comment -->

10. Which method is used to change the content of an HTML element?

- innerHTML
- document.change()
- value()
- writeHTML()

Submit **Reset**

You scored 6 out of 10 (60%) - **Correct Answers:**

1. <script>
2. padding
3. Document Object Model
4. console.log()
5. var arr = []
6. <a>
7. color
8. alert("Hello World")
9. // comment
10. innerHTML