

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"> <code></code></label>
<label><input type="radio" name="q1" value="B"> <code></code></label>
<label><input type="radio" name="q1" value="C"> <code></code></label>
<label><input type="radio" name="q1" value="D"> <code></code></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.scrollToView({ 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>

☐ <a>

☒ <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()

Submit

Reset

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