

WPL - Pgm 12

OnlineExam.html

```
<!DOCTYPE html>

<html>
<head>
    <title>JavaScript Online Exam</title>
<style>
    body {
        font-family: Arial;
        background-color: #f4f4f4;
        padding: 10px;
    }
    .quiz-container {
        background: white;
        padding: 20px;
        border: 1px solid black;
        width: 600px;
        margin: 10px auto;
    }
    h2 {
        color: black;
        border-bottom: 1px solid black;
        padding-bottom: 5px;
    }
    .question {
        margin-bottom: 15px;
        padding: 10px;
        border: 1px dashed gray;
    }

```

```
.question p {  
    font-weight: bold;  
    margin-bottom: 10px;  
}  
.options label {  
    display: block;  
    margin: 5px 0;  
}  
button {  
    padding: 8px 15px;  
    background-color: blue;  
    color: white;  
    border: 1px solid black;  
    cursor: pointer;  
}  
</style>  
</head>  
<body>  
<div class="quiz-container">  
    <h2>Web Programming Quiz</h2>  
    <form id="quizForm">  
        <div class="question">  
            <p>1. What is the programming language of the Web?</p>  
            <div class="options">  
                <input type="radio" name="q1" value="A" id="q1a"><label  
for="q1a">Java</label><br>  
                <input type="radio" name="q1" value="B" id="q1b"><label  
for="q1b">JavaScript</label><br>  
            </div>  
        </div>  
    </form>  
</div>
```

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<input type="radio" name="q1" value="C" id="q1c"><label  
for="q1c">Python</label><br>  
</div>  
</div>  
<div class="question">  
    <p>2. Which JavaScript object has no constructor and uses static  
methods?</p>  
    <div class="options">  
        <input type="radio" name="q2" value="A" id="q2a"><label  
for="q2a">String</label><br>  
        <input type="radio" name="q2" value="B" id="q2b"><label  
for="q2b">Array</label><br>  
        <input type="radio" name="q2" value="C" id="q2c"><label  
for="q2c">Math</label><br>  
    </div>  
</div>  
<div class="question">  
    <p>3. Which method returns the value of x rounded UP to its nearest  
integer?</p>  
    <div class="options">  
        <input type="radio" name="q3" value="A" id="q3a"><label  
for="q3a">Math.round(x)</label><br>  
        <input type="radio" name="q3" value="B" id="q3b"><label  
for="q3b">Math.floor(x)</label><br>  
        <input type="radio" name="q3" value="C" id="q3c"><label  
for="q3c">Math.ceil(x)</label><br>  
    </div>  
</div>  
<div class="question">  
    <p>4. The HTML DOM model is constructed as a tree of...</p>  
    <div class="options">
```

```
<input type="radio" name="q4" value="A" id="q4a"><label  
for="q4a">Data Types</label><br>  
  
<input type="radio" name="q4" value="B" id="q4b"><label  
for="q4b">Strings</label><br>  
  
<input type="radio" name="q4" value="C" id="q4c"><label  
for="q4c">Objects</label><br>  
  
</div>  
  
</div>  
  
<div class="question">  
  
<p>5. Array indexes in JavaScript are typically... </p>  
  
<div class="options">  
  
<input type="radio" name="q5" value="A" id="q5a"><label  
for="q5a">One-based</label><br>  
  
<input type="radio" name="q5" value="B" id="q5b"><label  
for="q5b">Zero-based</label><br>  
  
<input type="radio" name="q5" value="C" id="q5c"><label  
for="q5c">String-based</label><br>  
  
</div>  
  
</div>  
  
<div class="question">  
  
<p>6. The getMonth() method returns the month as a number ranging  
from...</p>  
  
<div class="options">  
  
<input type="radio" name="q6" value="A" id="q6a"><label  
for="q6a">1 to 12</label><br>  
  
<input type="radio" name="q6" value="B" id="q6b"><label  
for="q6b">0 to 11</label><br>  
  
<input type="radio" name="q6" value="C" id="q6c"><label  
for="q6c">1 to 31</label><br>  
  
</div>  
  
</div>
```

```
<div class="question">
    <p>7. JavaScript objects are written with which type of bracket?</p>
    <div class="options">
        <input type="radio" name="q7" value="A" id="q7a"><label
for="q7a">Square Brackets []</label><br>
        <input type="radio" name="q7" value="B" id="q7b"><label
for="q7b">Parentheses ()</label><br>
        <input type="radio" name="q7" value="C" id="q7c"><label
for="q7c">Curly Braces {}</label><br>
    </div>
</div>
<div class="question">
    <p>8. Which operator can be used to add (concatenate) strings?</p>
    <div class="options">
        <input type="radio" name="q8" value="A" id="q8a"><label
for="q8a">- (Subtraction)</label><br>
        <input type="radio" name="q8" value="B" id="q8b"><label
for="q8b">+ (Addition)</label><br>
        <input type="radio" name="q8" value="C" id="q8c"><label
for="q8c">! (Logical NOT)</label><br>
    </div>
</div>
<div class="question">
    <p>9. The most common way to access an HTML element is by
its...</p>
    <div class="options">
        <input type="radio" name="q9" value="A" id="q9a"><label
for="q9a">Tag Name</label><br>
        <input type="radio" name="q9" value="B" id="q9b"><label
for="q9b">Class Name</label><br>
        <input type="radio" name="q9" value="C" id="q9c"><label
for="q9c">ID</label><br>
    </div>

```

```
</div>

</div>

<div class="question">
    <p>10. The DOM Level 2 method to register an event handler is...</p>
    <div class="options">
        <input type="radio" name="q10" value="A" id="q10a"><label
for="q10a">onclick</label><br>
        <input type="radio" name="q10" value="B" id="q10b"><label
for="q10b">attachEvent()</label><br>
        <input type="radio" name="q10" value="C" id="q10c"><label
for="q10c">addEventListener()</label><br>
    </div>
    </div>
    <button type="button" onclick="checkAnswers()">Submit</button>
</form>
<div id="results"></div>
</div>
<script>
function checkAnswers() {
    const correctAnswers = {
        q1: 'B',
        q2: 'C',
        q3: 'C',
        q4: 'C',
        q5: 'B',
        q6: 'B',
        q7: 'C',
        q8: 'B',
        q9: 'C',
        q10: 'C'
```

```

};

let score = 0;

const totalQuestions = Object.keys(correctAnswers).length;

const form = document.getElementById('quizForm');

const resultsDiv = document.getElementById('results');

for (let i = 1; i <= totalQuestions; i++) {

    const questionName = 'q' + i;

    const selectedOption = form.elements[questionName].value;

    if (selectedOption === correctAnswers[questionName]) {

        score++;

    }

}

const percentage = (score / totalQuestions) * 100;

resultsDiv.innerHTML = `

<p>Result:</p>
<p>Score: ${score} / ${totalQuestions}</p>
<p>Percentage: ${percentage.toFixed(1)}%</p>
`;

}

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

```

QuizScript.js

```

function checkAnswers() {

    const correctAnswers = {

        q1: 'B',
        q2: 'C',
        q3: 'C',

```

```
q4: 'C'

};

let score = 0;

const totalQuestions = Object.keys(correctAnswers).length;

const form = document.getElementById('quizForm');

const resultsDiv = document.getElementById('results');

for (let i = 1; i <= totalQuestions; i++) {

    const questionName = 'q' + i;

    const selectedOption = form.elements[questionName].value;

    if (selectedOption === correctAnswers[questionName]) {

        score++;

    }

}

resultsDiv.innerHTML = `

<p>Quiz Completed!</p>
<p>Your Score: ${score} out of ${totalQuestions}</p>
<p>${(score / totalQuestions) * 100}% Correct</p>

`;

}
```

Output

Web Programming Quiz

1. What is the programming language of the Web?

- Java
- JavaScript
- Python

2. Which JavaScript object has no constructor and uses static methods?

- String
- Array
- Math

3. Which method returns the value of x rounded UP to its nearest integer?

- Math.round(x)
- Math.floor(x)
- Math.ceil(x)

4. The HTML DOM model is constructed as a tree of...

- Data Types
- Strings
- Objects

5. Array indexes in JavaScript are typically...

- One-based

Zero-based

String-based

6. The getMonth() method returns the month as a number ranging from...

1 to 12

0 to 11

1 to 31

7. JavaScript objects are written with which type of bracket?

Square Brackets []

Parentheses ()

Curly Braces {}

8. Which operator can be used to add (concatenate) strings?

- (Subtraction)

+ (Addition)

! (Logical NOT)

9. The most common way to access an HTML element is by its...

Tag Name

Class Name

ID

10. The DOM Level 2 method to register an event handler is...

onclick

attachEvent()

addEventListener()

Submit

Result:

Score: 10 / 10

Percentage: 100.0%