

# Professional Reliable Web-Development-Applications Real Test - Correct & Newest Web-Development- Applications Materials Free Download for WGU Web- Development-Applications Exam

**WGU C777 Web Development Applications  
Post Assessment | 100% Correct Answers |  
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Which of the following statements about HTML5 is true? - ✓✓HTML5 does not require third-party plug-ins for video and audio content

What is the purpose of using the <output> element in a Web form? - ✓✓It displays the result of a calculation in the form

Why are syntax errors so common when writing JavaScript code? - ✓✓Because JavaScript is case-specific

What CSS3 property can be used to create rounded corners on an image or other element? - ✓✓border-radius

What type of JavaScript expression evaluates to true or false? - ✓✓Logical

Which statement is true about JavaScript? - ✓✓JavaScript is widely used for client-side and server-side scripts

You have created a Web page using the HTML5 <nav> structural element to define a navigation area. Consider the following external style sheet code:

```
nav {  
  float:left;  
  width:165px;  
  background:#d8d8d8 url(background.gif) top right;  
  height:662px;  
}
```

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## WGU Web-Development-Applications Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> <li>• <b>Creating Adaptive Web Documents and Pages:</b> This section of the exam measures skills of Front-End Designers and covers the techniques needed to make websites display correctly across traditional desktops and mobile devices. It emphasizes adaptive page layout, flexible formatting, and user-friendly presentation so that content remains readable and functional on screens of different sizes. Candidates are expected to show an understanding of how to create consistent designs that respond smoothly to device changes.</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>• <b>Responsive Web Design (RWD) for Browsers and Apps:</b> This section of the exam measures skills of Front-End Designers and covers concepts related to mobile-first layout planning, responsive frameworks, and techniques used to ensure compatibility with modern browsers and applications. Candidates must demonstrate how to adjust elements for better usability on mobile devices and apply responsive strategies that allow a single design to function seamlessly across various environments.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• <b>HTML5, CSS3, and JavaScript Foundations:</b> This section of the exam measures skills of Web Developers and covers the essential ability to manually code using HTML5, CSS3, and JavaScript to create structured, visually styled, and interactive web content. It focuses on building accurate page layouts, applying modern styling rules, and writing basic scripts that support user interaction. The aim is to ensure candidates can construct professional web documents using current standards and properly integrate all three technologies.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Validation, Testing, and Form Development:</b> This section of the exam measures skills of Web Developers and covers the ability to validate code, test web pages for accuracy, and build form components. It includes understanding how to detect errors, ensure compliance with standards, and implement form fields with inline validation to improve user experience. The focus is on creating forms that work reliably, meet usability expectations, and maintain proper data entry flow.</li> </ul>

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### WGU Web Development Applications Sample Questions (Q136-Q141):

#### NEW QUESTION # 136

Which code segment contains a conditional expression?

- A. 

```
var result = count > 10;
```
- B. 

```
var result = count;
```
- C. 

```
var result = count > 10 ? 'High' : 'Low';
```
- D. 

```
var result = count + 1;
```

**Answer: C**

Explanation:

A conditional expression in JavaScript is an expression that evaluates to a boolean value and controls the execution flow based on its result. The conditional (ternary) operator `?:` is used for conditional expressions.

\* Example Analysis:

\* Option A:

```
var result = dataCount;
```

\* This is a simple assignment, not a conditional expression.

\* Option B:

```
var result = count++ > 10;
```

\* This is a comparison but not a complete conditional expression.

\* Option C:

```
var result = dataCount++ * 1000 == 3000000;
```

\* This is an arithmetic operation followed by a comparison but not a complete conditional expression.

\* Option D:

```
javascript
```

Copy code

```
var result = count >= 10 ? "Done" : getResult();
```

\* This is a conditional (ternary) expression. If count is greater than or equal to 10, result will be "Done", otherwise, it will call getResult().

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MDN Web Docs - Conditional (ternary) operator

W3Schools - JavaScript Conditions

### NEW QUESTION # 137

What is a characteristic of JavaScript code?

- A. It implements across browsers.
- **B. It runs inside a web browser**
- C. It must be compiled to work.
- D. It remains hidden from the user.

**Answer: B**

Explanation:

JavaScript is a scripting language primarily used for creating and controlling dynamic website content. Here are some characteristics:

\* **Runs Inside a Web Browser:** JavaScript code is executed in the web browser, making it possible to create interactive and dynamic web pages.

\* **Cross-Browser Compatibility:** JavaScript is designed to be compatible across different web browsers.

\* **Interpreted Language:** JavaScript is interpreted, meaning it does not need to be compiled before execution.

\* **Accessible to Users:** JavaScript code is not hidden from the user; it can be viewed in the browser's developer tools.

References:

\* MDN Web Docs on JavaScript

\* W3C JavaScript Introduction

### NEW QUESTION # 138

Given the following code:



What is the value of the variable data when the code runs?

- A. A single-character string
- **B. An empty string**
- C. Undefined
- D. Null

**Answer: B**

Explanation:

In JavaScript, assigning an empty pair of quotes to a variable creates an empty string.

\* Variable Assignment:

\* Given the code:

```
var data = "";
```

\* The variable `data` is assigned an empty string.

\* Explanation:

\* Option A: Null is incorrect because the variable is assigned an empty string, not null.

\* Option B: A single-character string is incorrect because the string is empty.

\* Option C: Undefined is incorrect because the variable is assigned a value, even though it is an empty string.

\* Option D: An empty string is correct because `""` represents an empty string.

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MDN Web Docs - String

W3Schools - JavaScript Strings

### NEW QUESTION # 139

Which of the following best describes the programming paradigm of JavaScript?

- A. Object-based
- B. Event-driven
- C. Function-driven
- D. Object-oriented

**Answer: A**

Explanation:

JavaScript is often described as an object-based language, meaning it is centered around objects. While it supports object-oriented programming (OOP) concepts, it is more accurate to describe it as object-based due to its prototypal inheritance model rather than classical inheritance.

\* Object-Based: JavaScript is built around objects and supports the creation and manipulation of objects.

\* Object-Oriented Features: JavaScript supports OOP principles like encapsulation, inheritance, and polymorphism, but through prototype chains rather than class-based inheritance.

\* Functional and Event-Driven: JavaScript supports functional programming and is often used in an event-driven manner, particularly in the context of web browsers.

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MDN Web Docs on JavaScript Object Model

W3C JavaScript Overview

### NEW QUESTION # 140

What allows a scripting language to manipulate elements on a web page?

- A. CSS
- B. XML
- C. HTML
- D. DOM

**Answer: D**

Explanation:

The Document Object Model (DOM) is an API for HTML and XML documents that defines the logical structure of documents and the way a document is accessed and manipulated.

\* DOM Explanation:

\* The DOM represents the page so that programs can change the document structure, style, and content.

\* It provides a way for scripts to update the content, structure, and style of a document while it is being viewed.

\* Explanation:

\* Option A: CSS is incorrect because it is used for styling web pages.

\* Option B: XML is incorrect because it is a markup language, not an API for manipulating web page elements.

\* Option C: HTML is incorrect because it is the markup language used to create web pages, not an API for manipulation.

\* Option D: DOM is correct because it allows a scripting language to manipulate elements on a web page.

\* References:

\* MDN Web Docs - DOM

