

Web-Development-Applications Free Updates - Reliable Web-Development-Applications Exam Syllabus

WGU C77 WEB DEVELOPMENT APPLICATIONS/ WGU C77 OA EXAM 2024 AND PRACTICE QUESTIONS 300 QUESTIONS WITH DETAILED VERIFIED ANSWERS AND RATIONALES /A+ GRADE ASSURED

Which Canvas application programming interface (API) method should a developer use to add the line to the drawn path on a canvas?

- A) closePath()
- B) **stroke()**
- C) fill()
- D) beginPath() -ANSWER...stroke()

Which method of the Geolocation application programming interface (API) should a developer use to get periodic updates of a user's coordinates?

- A) getCurrentLocation()
- B) **watchPosition()**
- C) clearWatch()
- D) toString() -ANSWER...watchPosition()

Which of the following would be the best method to use for floating images to the left and right of text in HTML5?

- A) The height attribute of the element
- B) The width attribute of the element
- C) **CSS classes**
- D) The inline CSS style attribute -ANSWER...CSS classes

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WGU Web-Development-Applications Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Responsive Web Design (RWD) for Browsers and Apps: 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.
Topic 2	<ul style="list-style-type: none">Validation, Testing, and Form Development: 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.
Topic 3	<ul style="list-style-type: none">HTML5, CSS3, and JavaScript Foundations: 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.
Topic 4	<ul style="list-style-type: none">Creating Adaptive Web Documents and Pages: 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.

WGU Web Development Applications Sample Questions (Q39-Q44):

NEW QUESTION # 39

A web designer creates the following HTML code:

```
<div class="header" id="welcome">Welcome</div>
<div class="header" id="intro">This is an introduction to creating style sheets.</div>
```

Which CSS selector applies only to the first line?

- A. #Welcome
- B. .header
- C. .Welcome
- D. #Header

Answer: A

Explanation:

To apply CSS only to the first line of a particular HTML element, the ID selector #Welcome should be used as per the given HTML structure.

* CSS ID Selector: The ID selector is used to style the element with a specific id.

* Usage Example:

```
#Welcome {  
color: red;  
}
```

In this example, the #Welcome selector will apply the red color style only to the element with id="Welcome".

References:

- * MDN Web Docs on ID Selectors
- * W3C CSS Specification on Selectors

NEW QUESTION # 40

Which characters are used to enclose multiple statement in a function?

- A. Curly braces
- B. Parentheses
- C. Semicotons
- D. Spaces

Answer: A

Explanation:

In JavaScript, curly braces {} are used to enclose multiple statements in a function, defining the block of code to be executed.

* Curly Braces: Curly braces {} are used to group multiple statements into a single block. This is necessary for defining the body of a function, loops, conditional statements, and other control structures.

* Usage Example:

```
function greet(name) {  
let greeting = "Hello, " + name;  
console.log(greeting);  
}
```

In this example, the curly braces enclose the statements that form the body of the greet function.

References:

- * MDN Web Docs on Functions
- * ECMAScript Language Specification

NEW QUESTION # 41

Which HTML tag should a developer use to create a drop-down list?

- A. <Select>
- B. <Output>
- C. <Section >
- D. <Option>

Answer: A

Explanation:

The<select>-tag is used in HTML to create a drop-down list. It is used in conjunction with the<option>tags to define the list items within the drop-down menu.

* Purpose of<select>: The<select>element is used to create a control that provides a menu of options.

The user can select one or more options from the list.

* Structure of Drop-down List:

* The<select>element encloses the<option>elements.

* Each<option>element represents an individual item in the drop-down list.

* Usage Example:

```
<label for="cars">Choose a car:</label>  
<select id="cars" name="cars">  
<option value="volvo">Volvo</option>  
<option value="saab">Saab</option>  
<option value="fiat">Fiat</option>  
<option value="audi">Audi</option>  
</select>
```

In this example, the<select>tag creates a drop-down list with four options: Volvo, Saab, Fiat, and Audi.

* Attributes of<select>:

* **name**: Specifies the name of the control, which is submitted with the form data.

* **id**: Used to associate the<select>element with a label using the<label>tag'sforattribute.

* **multiple**: Allows multiple selections if set.

:

MDN Web Docs on<select>

W3C HTML Specification on Forms

NEW QUESTION # 42

Given the following code:



What does the console display as output?

- A. 0
- **B. 1**
- C. 2

Answer: B

Explanation:

Given the code segment:

```
var a = "8";
```

```
var b = "6";
```

```
var c = a + b;
```

```
console.log(c);
```

This code concatenates two strings.

* Explanation:

* var a = "8";: Variablea is assigned the string"8".

* var b = "6";: Variableb is assigned the string"6".

* var c = a + b;: The+operator concatenates the two strings, resulting in"86".

* console.log(c);: Outputs the value ofcto the console.

* Output:

* The console displays"86"because it concatenates the two string values.

:

MDN Web Docs - String

W3Schools - JavaScript String

NEW QUESTION # 43

Which HTML5 input type allows users to enter a value from 1 to 100 using a slider control?

- A. text
- B. number
- C. search
- **D. range**

Answer: D

Explanation:

> "The `input` type `range` displays a slider control for selecting numeric values within a specified range."

>

> Example:

```
```html
```

```
<input type="range" min="1" max="100">
```

```
```
```

* `number` allows numeric input via keyboard, but not a slider.

* `text` and `search` are for string input.

References:

* MDN Web Docs: <input type="range">

