

# Advanced Web Design Challenge

## *Test Your Knowledge*

*GROW YOUR SKILLS Quiz: Web Design Fundamentals*

### **Quiz: Advanced Web Design Challenge**

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#### Question 1: HTML5 Semantics

Which tag is used to define an independent, self-contained content?

- A) <article>
- B) <section>

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- C) <div>
- D) <details>
- Answer: A) <article>

#### Question 2: CSS3 Properties

Which CSS property is used to create rounded corners?

- A) border-radius
- B) border-curve
- C) corner-round
- D) edge-curve
- Answer: A) border-radius

#### Question 3: JavaScript ES6

What does the const keyword represent?

- A) A block-scoped variable that can be reassigned
- B) A block-scoped, read-only named constant
- C) A globally scoped constant
- D) A variable that can hold constant objects only
- Answer: B) A block-scoped, read-only named constant

#### Question 4: Responsive Design

Which unit is most useful for creating designs that adapt to screen size?

- A) Pixels (px)
- B) Percentages (%)

- C) Em units (em)
- D) Viewport width (vw)
- Answer: D) Viewport width (vw)

#### Question 5: CSS Flexbox

To align flex items at the center of the container's cross axis, which property is used?

- A) justify-content: center;
- B) align-items: center;
- C) align-content: center;
- D) justify-items: center;
- Answer: B) align-items: center;

#### Question 6: HTML Forms

For a form input field to be required, which attribute must be added?

- A) required="true"
- B) needed
- C) mandatory
- D) required
- Answer: D) required

#### Question 7: JavaScript Arrays

How do you find the number of elements in an array named myArray?

- A) myArray.count

- B) myArray.length
- C) myArray.size()
- D) count(myArray)
- Answer: B) myArray.length

#### Question 8: CSS Selectors

Which selector targets every <p> element that is the first child of its parent?

- A) p:first-child
- B) p:first-of-type
- C) first:p
- D) p:first
- Answer: A) p:first-child

#### Question 9: HTML Linking

To link a CSS file named "style.css" in an HTML document, which line of code is correct?

- A) <link rel="stylesheet" type="text/css" href="style.css">
- B) <stylesheet src="style.css">
- C) <css link="style.css">
- D) <link style="style.css">
- Answer: A) <link rel="stylesheet" type="text/css" href="style.css">

#### Question 10: JavaScript Events

Which method is used to prevent the default action of an event?

- A) `event.preventDefault()`
- B) `event.stop()`
- C) `event.stopPropagation()`
- D) `event.cancel()`
- Answer: A) `event.preventDefault()`