# Randomly Selected Questions - Set 7

**Question 1 (ID: 1.2.9):** Fill in the Blank: The `<head>` element contains the document title, document metadata, and various other elements that are typically \_\_\_\_\_\_\_\_\_\_.

**Question 2 (ID: 2.1.10):** Short Answer: What is the good practice mentioned in the content to avoid forgetting to add semicolons when updating a CSS declaration block?

**Question 3 (ID: 1.6.7):** Short Answer: When nesting ordered lists within a list item of another ordered list, what number does the nested list start with by default?

**Question 4 (ID: 1.8.8):** Multiple Choice: What is the main purpose of the <address> container?  
- (A) To contain introductory content  
- (B) To provide the document's primary content  
- (C) To contain a person's or organization's contact information  
- (D) To contain a specific chapter of a document

**Question 5 (ID: 4.1.3):** Short Answer: What is the default way to create a new Date object in JavaScript to represent the current date and time?

**Question 6 (ID: 1.8.7):** Fill in the blank: According to best practices, elements like <\_\_\_\_\_\_\_> and <\_\_\_\_\_\_\_> should be used for containers with semantic meaning, while <div> and <span> should be used for presentation.

**Question 7 (ID: 1.9.2):** Fill in the blank: The HTML element used to create a table cell containing data is called the \_\_\_\_\_\_\_ element.

**Question 8 (ID: 1.3.8):** Multiple Choice: Which HTML element is used to denote a piece of text as strong or important?   
- (A) <em>   
- (B) <b>   
- (C) <strong>   
- (D) <i>

**Question 9 (ID: 1.3.10):** Multiple Choice: Which element is a void element in HTML and does not require a closing tag?   
- (A) <p>   
- (B) <section>   
- (C) <br>   
- (D) <h1>

**Question 10 (ID: 2.7.7):** Multiple Answers: Which of the following properties can control the behavior of flex items regarding size and growth? (Select all that apply.)  
- (A) `flex-grow`  
- (B) `flex-shrink`  
- (C) `flex-direction`  
- (D) `flex-basis`

**Question 11 (ID: 1.2.6):** Multiple Choice: What is required at the beginning of an HTML document to specify the document type?  
- (A) <!ELEMENT html>  
- (B) <!DOCTYPE html>  
- (C) <html xml="true">  
- (D) <DOCTYPE>

**Question 12 (ID: 1.2.4):** Fill in the Blank: In HTML, an element attribute is specified in the form \_\_\_\_\_\_\_\_.

**Question 13 (ID: 4.1.5):** Short Answer: If the following code is executed, what will be the date stored in `georgeBirthday`? `let georgeBirthday = new Date(1732, 1, 22);`

**Question 14 (ID: 4.5.5):** Multiple Choice: When styling forms, what CSS selector is used to consistently style text inputs, email inputs, and drop-down menus?  
- (A) input[type=text], input[type=email], select  
- (B) input, textarea, button  
- (C) input[type=button], select, textarea  
- (D) fieldset, legend, label

**Question 15 (ID: 2.2.10):** Fill in the blank: The CSS selector to select only the first child of a parent element is written as \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Question 16 (ID: 4.9.6):** Multiple Answers: Which of the following are events for which web developers might write event handlers? (Select all that apply)  
- (A) Click  
- (B) Keydown  
- (C) Input  
- (D) Resize

**Question 17 (ID: 1.6.8):** Multiple Answers: Identify all lines with errors from the following list elements:   
1) <ul>   
2) <li>Apples<li>   
3) <li>Oranges   
4) </ul>   
- (A) 1   
- (B) 2   
- (C) 3   
- (D) 4

**Question 18 (ID: 1.6.1):** Fill in the blank: An unordered list is a collection of items shown using bullets and created with the \_\_\_\_\_ element.   
- <ul>

**Question 19 (ID: 4.6.8):** Short Answer: What JavaScript attribute allows the browser to load the webpage concurrently with loading the JavaScript, but not process the JavaScript until the webpage is completely loaded?

**Question 20 (ID: 2.4.6):** Fill in the Blank: The CSS property that changes letters to UPPERCASE or lowercase is called \_\_\_\_\_\_\_\_\_\_.

**Question 21 (ID: 2.1.2):** Fill in the Blank: A CSS rule consists of a selector followed by a \_\_\_\_\_\_\_\_\_\_ block between braces.

**Question 22 (ID: 4.8.7):** Fill in the Blank: To append a new child node to an existing node in the DOM, you use the \_\_\_\_\_\_\_\_ method.  
- appendChild()

**Question 23 (ID: 4.9.3):** Fill in the Blank: In JavaScript, the method used to stop the default behavior of an event is called \_\_\_\_\_\_\_\_\_\_.

**Question 24 (ID: 2.1.7):** Short Answer: In CSS, which rule can be used to override all other declarations and specificity?

**Question 25 (ID: 2.4.1):** Multiple Choice: Which CSS property is used to specify the weight of a font?  
- (A) font-style  
- (B) font-variant  
- (C) font-weight  
- (D) font-family

**Question 26 (ID: 1.10.6):** Multiple Choice: How should the character < be displayed using HTML entities if it's not part of a tag?  
- (A) &gt;  
- (B) &lt;  
- (C) &amp;  
- (D) &le;

**Question 27 (ID: 3.3.2):** Multiple Choice: In JavaScript, how many spaces does this material recommend for indenting statements inside braces?   
- (A) 1 space   
- (B) 2 spaces   
- (C) 3 spaces   
- (D) 4 spaces

**Question 28 (ID: 4.2.8):** Short Answer: In the context of regex, what do parentheses "()" do in a pattern?

**Question 29 (ID: 2.3.3):** Multiple Answers: Which of the following CSS functions can specify colors in a webpage?  
- [ ] hsl()  
- [ ] rgb()  
- [ ] font-size()  
- [ ] rgba()

**Question 30 (ID: 4.7.9):** Short Answer: Which attribute of the script tag makes sure that the script in "dom.js" executes only after the parsing of the webpage?

**Question 31 (ID: 3.5.10):** Multiple Choice: What is the last number output by the following do-while loop?  
  
```javascript  
let c = 10;  
do {  
 console.log(c);  
 c--;  
} while (c >= 5);  
```  
  
- (A) 0  
- (B) 1  
- (C) 5  
- (D) 10

**Question 32 (ID: 3.9.4):** Multiple Choice: Which statement correctly adds an "isbn" property with the value "1591846013" to the `book` object?  
- (A) `book.isbn("1591846013");`  
- (B) `book.isbn = "1591846013";`  
- (C) `isbn.book = "1591846013";`  
- (D) `book["isbn"] = "1591846013";`

**Question 33 (ID: 3.3.4):** Multiple Choice: If `bonus = 19`, what is the final value of `numitems` in the code?  
```  
numitems = 1;  
if (bonus > 10)  
 numitems = numitems + 3;  
```  
- (A) 1   
- (B) 3   
- (C) 4   
- (D) 5

**Question 34 (ID: 1.6.4):** Short Answer: What attribute of the <ol> element is used to specify the numbering type in an ordered list?

**Question 35 (ID: 3.4.8):** Multiple Choice: What happens if the `break` statement is omitted in a case block of a switch statement?   
- (A) The program crashes.   
- (B) The next case's statements execute as well.   
- (C) The switch statement stops completely.   
- (D) The default case is executed.

**Question 36 (ID: 4.8.5):** Short Answer: How do you create a new DOM element node using JavaScript?  
Answer: Use the createElement() method with the name of the desired element as the argument.

**Question 37 (ID: 3.5.3):** Multiple Choice: Which of the following is an example of an infinite loop?  
- (A) `while (i < 10) { i++; }`  
- (B) `while (i < 10) { console.log(i); }`  
- (C) `while (true) { i++; }`  
- (D) `while (i > 10) { i--; }`

**Question 38 (ID: 2.5.9):** Fill in the blank: In the box model, the \_\_\_\_ surrounds both the content and the padding.  
- Answer: border

**Question 39 (ID: 2.4.2):** Fill in the Blank: The \_\_\_\_\_\_\_\_\_\_ property is shorthand for setting several font properties at the same time.

**Question 40 (ID: 1.4.10):** Multiple Choice: Which part of the book contains activity-based exercises for practicing comments in HTML?  
- (A) Activity 1.4.1  
- (B) Activity 1.5.1  
- (C) Activity 2.1  
- (D) Appendix A

**Question 41 (ID: 2.7.6):** Multiple Choice: By default, how do flex items appear in a flex container?  
- (A) Stacked vertically  
- (B) Stacked horizontally  
- (C) Aligned to the right  
- (D) Centered

**Question 42 (ID: 4.4.3):** Short Answer: What is sent to the server when a checkbox is checked and submitted, but the value attribute is not specified?

**Question 43 (ID: 2.1.4):** Multiple Choice: Which part of a CSS rule specifies the HTML elements to which the style applies?  
- (A) Property  
- (B) Value  
- (C) Selector  
- (D) Declaration

**Question 44 (ID: 3.2.3):** Fill in the blank: In JavaScript, the operator `\_\_` is used for exponentiation.

**Question 45 (ID: 3.8.4):** Multiple Answers: Which of the following statements about arrays are true? (Select all that apply.)  
- (A) Array elements must be of the same type.  
- (B) Array elements can be of different types.  
- (C) Arrays decrease in size as elements are removed.  
- (D) Arrays cannot change in size after initialization.

**Question 46 (ID: 2.3.6):** Short Answer: How many CSS color names are defined according to the provided text?

**Question 47 (ID: 3.6.4):** Short Answer: What is the result of calling `displaySum(2, 5, 3);` in the provided function `displaySum(x, y, z)`?  
- Answer: 10

**Question 48 (ID: 3.5.2):** Fill in the Blank: A while loop repeats until the condition becomes \_\_\_\_\_\_\_.

**Question 49 (ID: 3.8.8):** Multiple Choice: In the given code snippet `let x = nums.pop();`, what does `x` contain after execution?  
- (A) The first element of array `nums`  
- (B) The last element removed from array `nums`  
- (C) The new length of array `nums`  
- (D) The sum of all elements of array `nums`

**Question 50 (ID: 4.8.10):** Short Answer: What argument does the cloneNode() method take to determine if it should also clone the node's children?  
Answer: A boolean argument (true or false).

# Answers

**Answer to Question 1:** not displayed in the webpage

**Answer to Question 2:** Place each declaration on a separate line and add a semicolon to the end of each declaration block even when it’s not required.

**Answer to Question 3:** 1

**Answer to Question 4:** (C) To contain a person's or organization's contact information

**Answer to Question 5:** `let currDateTime = new Date();`

**Answer to Question 6:** <address>, <article>

**Answer to Question 7:** <td>

**Answer to Question 8:** (C) <strong>

**Answer to Question 9:** (C) <br>

**Answer to Question 10:** (A) `flex-grow`, (B) `flex-shrink`, (D) `flex-basis`

**Answer to Question 11:** (B) <!DOCTYPE html>

**Answer to Question 12:** name="value"

**Answer to Question 13:** February 22, 1732

**Answer to Question 14:** (A) input[type=text], input[type=email], select

**Answer to Question 15:** :first-child

**Answer to Question 16:** (A) Click, (B) Keydown, (C) Input

**Answer to Question 17:** (B) 2

**Answer to Question 18:** <ul>

**Answer to Question 19:** defer

**Answer to Question 20:** text-transform

**Answer to Question 21:** declaration

**Answer to Question 22:** appendChild()

**Answer to Question 23:** preventDefault()

**Answer to Question 24:** !important

**Answer to Question 25:** (C) font-weight

**Answer to Question 26:** (B) &lt;

**Answer to Question 27:** (C) 3 spaces

**Answer to Question 28:** Parentheses are used to "remember" different parts of a matched string.

**Answer to Question 29:** [ ] hsl() [ ] rgb() [x] rgba()

**Answer to Question 30:** defer

**Answer to Question 31:** (C) 5

**Answer to Question 32:** (B) `book.isbn = "1591846013";`

**Answer to Question 33:** (C) 4

**Answer to Question 34:** type

**Answer to Question 35:** (B) The next case's statements execute as well.

**Answer to Question 36:** Use the createElement() method with the name of the desired element as the argument.

**Answer to Question 37:** (C) `while (true) { i++; }`

**Answer to Question 38:** border

**Answer to Question 39:** font

**Answer to Question 40:** (A) Activity 1.4.1

**Answer to Question 41:** (B) Stacked horizontally

**Answer to Question 42:** The value "on" is sent.

**Answer to Question 43:** (C) Selector

**Answer to Question 44:** \*\*

**Answer to Question 45:** (B), (C)

**Answer to Question 46:** 140

**Answer to Question 47:** 10

**Answer to Question 48:** false

**Answer to Question 49:** (B) The last element removed from array `nums`

**Answer to Question 50:** A boolean argument (true or false).