Started on	Tuesday, 25 March 2025, 2:35 PM
State	Finished
Completed on	Tuesday, 25 March 2025, 2:47 PM
Time taken	12 mins 4 secs
Marks	22.00/30.00
Grade	**73.33** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

Which HTML tag is used to create a hyperlink?

- ○ a.   <hyperlink>
- ○ b.   <link>
- ◉ c.   <a>
- ○ d.   <href>

Question 2

Complete

Mark 1.00 out of 1.00

How do you write an IF statement in JavaScript?

- ◉ a.   if (x === 5) { … }
- ○ b.   if x === 5 then { … }
- ○ c.   if x = 5 then { … }
- ○ d.   if x = 5 { … }

Question 3

Complete

Mark 1.00 out of 1.00

Which algorithm is commonly used for sorting an array in place?

- ○ a.   Bubble Sort
- ○ b.   Merge Sort
- ◉ c.   Quick Sort
- ○ d.   Selection Sort

Question 4

Complete

Mark 1.00 out of 1.00

What is the purpose of media queries in CSS?

- ○ a.   To add animations to an element
- ○ b.   To modify the HTML structure
- ◉ c.   To apply styles based on screen size
- ○ d.   To change the font size of an element

Question 5

Complete

Mark 1.00 out of 1.00

What does the CSS property `overflow: hidden;` do?

- ○ a.   Resizes the element dynamically
- ◉ b.   Hides the overflow content of an element
- ○ c.   Displays the overflow content of an element
- ○ d.   Clips the content without adding scrollbars

Question 6

Complete

Mark 1.00 out of 1.00

What is the purpose of the `viewport` meta tag in HTML?

- ◉ a.   To set the initial scale of the viewport
- ○ b.   To define the width of the viewport
- ○ c.   To specify the browser's rendering engine
- ○ d.   To disable zooming on the webpage

Question 7

Complete

Mark 1.00 out of 1.00

What is the correct way to write a JavaScript array?

- ○ a.   var colors = "red", "green", "blue";
- ◉ b.   var colors = ["red", "green", "blue"];
- ○ c.   colors = "red", "green", "blue";
- ○ d.   colors = ["red", "green", "blue"];

Question 8

Complete

Mark 1.00 out of 1.00

Which CSS property is used to control the order of overlapping elements?

○ a. order

○ b. stacking-order

○ c. layer

◉ d. z-index

Question 9

Complete

Mark 0.00 out of 1.00

What will the following JavaScript code output?

let nums = [1, 2, 3, 4, 5]; console.log(nums.slice(1, 3));

◉ a. [2, 3, 4]

○ b. [1, 2, 3]

○ c. [2, 3]

○ d. [1, 2]

Question 10

Complete

Mark 1.00 out of 1.00

Which algorithm is generally used to traverse a binary tree?

○ a. None of the above

○ b. Depth-First Search

○ c. Breadth-First Search

◉ d. Both

Question 11

Complete

Mark 1.00 out of 1.00

What does the `alt` attribute in an `<img>` tag specify?

◉ a. Alternative text for the image

○ b. Image size

○ c. Image source

○ d. Image alignment

Question 12

Complete

Mark 1.00 out of 1.00

Which operator is used to assign a value to a variable in JavaScript?

- ○ a.   ===
- ◉ b.   =
- ○ c.   !=
- ○ d.   ==

Question 13

Complete

Mark 1.00 out of 1.00

In a web application, which data structure is ideal for implementing a breadcrumb navigation?

- ◉ a.   Stack
- ○ b.   Queue
- ○ c.   Linked List
- ○ d.   Array

Question 14

Complete

Mark 1.00 out of 1.00

What does the `innerHTML` property do in JavaScript?

- ◉ a.   Changes the content of an HTML element
- ○ b.   Removes an HTML element
- ○ c.   Gets the content of an HTML element
- ○ d.   Adds a new HTML element

Question 15

Complete

Mark 0.00 out of 1.00

What does the CSS property `flex-grow` do?

- ○ a.   Specifies the order of a flex item
- ◉ b.   Sets the initial size of a flex item
- ○ c.   Determines the size of a flex container
- ○ d.   Defines the flexibility of a flex item

Question 16

Complete

Mark 1.00 out of 1.00

How do you center an element horizontally in CSS?

○ a. horizontal-align: center;

○ b. align: center;

○ c. center: horizontal;

◉ d. text-align: center;

Question 17

Complete

Mark 0.00 out of 1.00

In JavaScript, which method would you use to merge two arrays?

○ a. merge()

○ b. combine()

◉ c. join()

○ d. concat()

Question 18

Complete

Mark 1.00 out of 1.00

How do you include a JavaScript file in an HTML document?

○ a. <script>script.js</script>

◉ b. <script src="script.js"></script>

○ c. <js src="script.js"></js>

○ d. <javascript>script.js</javascript>

Question 19

Complete

Mark 0.00 out of 1.00

Which method can be used to remove the last element from an array in JavaScript?

○ a. pop()

○ b. delete()

○ c. shift()

◉ d. remove()

Question 20

Complete

Mark 1.00 out of 1.00

Which of the following is NOT a characteristic of a queue?

- ○ a. FIFO (First In First Out)
- ○ b. Dequeue operation
- ◉ c. LIFO (Last In First Out)
- ○ d. Enqueue operation

Question 21

Complete

Mark 0.00 out of 1.00

Which CSS property is used to create a transition effect?

- ○ a. transition
- ○ b. transition-property
- ◉ c. transition-duration
- ○ d. transition-effect

Question 22

Complete

Mark 1.00 out of 1.00

What is the output of the following code?

let a = [1, 2, 3]; let b = [...a, 4]; console.log(b);

- ○ a. [4, 1, 2, 3]
- ○ b. [2, 3, 4]
- ◉ c. [1, 2, 3, 4]
- ○ d. [1, 2, 3]

Question 23

Complete

Mark 1.00 out of 1.00

What is the primary advantage of using a binary heap?

- ◉ a. Efficiently implements priority queues
- ○ b. Faster searching
- ○ c. Simple implementation
- ○ d. Lower memory consumption

Question 24

Complete

Mark 1.00 out of 1.00

What is the purpose of the CSS property `box-shadow`?

- ◉ a. Adds a shadow to an element
- ○ b. Changes the color of an element
- ○ c. Adds a border to an element
- ○ d. Sets the size of an element

Question 25

Complete

Mark 1.00 out of 1.00

Which data structure allows duplicate elements?

- ☐ a. Dictionary
- ☑ b. Array
- ☐ c. Set
- ☑ d. Stack

Question 26

Complete

Mark 1.00 out of 1.00

What is the purpose of the `title` attribute in an `<a>` tag?

- ◉ a. Provides a title for the hyperlink
- ○ b. Defines alternative text for the hyperlink
- ○ c. Specifies the target of the hyperlink
- ○ d. Sets the text color of the hyperlink

Question 27

Complete

Mark 1.00 out of 1.00

What does the `typeof` operator in JavaScript return?

- ○ a. The name of a variable
- ○ b. The length of a variable
- ○ c. The value of a variable
- ◉ d. The type of a variable

Question 28
Complete
Mark 0.00 out of 1.00

How do you make text italic in CSS?

- ○ a. text-decoration: italic;
- ○ b. style: italic;
- ○ c. font-style: italic;
- ○ d. italic: true;

Question 29
Complete
Mark 0.00 out of 1.00

How do you make a website responsive using CSS Grid?

- ○ a. By setting the viewport width to 100%
- ○ b. By using only percentages for dimensions
- ◉ c. By using the grid property
- ○ d. By setting a fixed width for all elements

Question 30
Complete
Mark 0.00 out of 1.00

Which CSS property is used to change the layout of elements based on the viewport width?

- ○ a. media-query
- ○ b. grid-template-columns
- ○ c. viewport-layout
- ◉ d. flex-direction