**W07 Exam**

Score for this quiz: **34** out of 35

Submitted Aug 12 at 9:05pm

This attempt took 40 minutes.

**Question 1**

**1 / 1 pts**

Which of the following HTML snippet of code correctly references an external JavaScript file name ***rate.js*** that is located is a subfolder named ***scripts*** in HTML?

<link href="./scripts/rate.js" ></link>

<src js="scripts/rate.js"></src>

<script src="scripts/rate.js"></script>

<link href="scripts/rate.js" type="text/javascript">

**Question 2**

**1 / 1 pts**

To set the value of an element assigned to a variable identified as "**msg**", you can use which of the following statements?  
***Check all that apply. There may be more than one correct answer.***

msg.textValue = "You Win!";

msg.textContent = "You Win!";

msg.text = "You Win!";

msg.innerHTML = "You Win!";

msg.HTMLvalue = "You Win!";

**Question 3**

**1 / 1 pts**

To assign a variable identified as '**msg**' an HTML document element with a class named '**message**' where this element is the first element in the document with that class designation, which of the following would you use?  
***Select all the apply.***

const msg = document.querySelector('#message’);

const msg = document.getElementById('#message');

const msg = document.getClassElement('message’);

const msg = document.querySelector('message’);

const msg = document.querySelector('.message’);

**Question 4**

**1 / 1 pts**

Given the following JavaScript statement,

const msg = document.querySelector('span');

what element does this statement reference and assign to the msg variable?

The first span element found on the document.

The last span element found on the document.

An element with a class attribute of 'span'.

A random one from the NodeList.

**Question 5**

**1 / 1 pts**

In JavaScript, to assign a variable identified as 'msg' a document element with an id named 'message', which of the following would you use?  
***Select all the apply.***

const msg = document.querySelector('#message');

const msg = document.getElementById('message');

const msg = document.querySelector('message');

const msg = document.querySelector('.message');

**Question 6**

**1 / 1 pts**

The following code snippet is an example of which type of function?

menubutton.addEventListener('click', () => {  
 menuitems.classList.toggle('show');  
});

function expression

class function

arrow function

function declaration

**Question 7**

**1 / 1 pts**

Which of the following correctly sets the text node of a preselected div element assigned to a variable identified as "reveal" as shown in this statement with the babygender variable in bold?

🎉 Congratulations! You are having a <strong>${babygender}</strong>!

reveal.textContent = `🎉 Congratulations! You are having a <strong>${babygender}</strong>!`;

reveal.HTMLvalue = `🎉 Congratulations! You are having a <strong>${babygender}</strong>!`;

reveal.innerHTML = `🎉 Congratulations! You are having a <strong>${babygender}</strong>!`;

reveal.text = `🎉 Congratulations! You are having a <strong>${babygender}</strong>!`;

**Question 8**

**1 / 1 pts**

The following code does not work as intended because when a valid chapter is entered into the HTML input field with an id of "favchap" the message on the screen is wrong saying that the favorite chapter is something like **[object HTMLInputElement]**. And when they do not enter anything into the input field, the message is still outputting the  
**"Thank you. your favorite chapter is [object HTMLInputElement]".**  
What advice would you give them?  
***Check all the apply.***

const message = document.querySelector('#message');  
const input = document.querySelector('#favchap');  
if (input !== "") {  
 message.innerHTML = `Thank you. Your favorite chapter is ${input}.`;  
} else {  
 message.innerHTML = `Please enter a chapter.`;  
}

Template literal strings (`...`) cannot be used with the innerHTML property of an element.

The HTML input element must have an id of "input" to match the variable identifier used.

Use single quotes and not double quotes in the if block condition.

Reference the value property of the #favchap input element, not just the element.

**Question 9**

**1 / 1 pts**

Which of the following is the correct way to insert a comment in JavaScript that has **more than one line**?

/\* This comment has more  
than one line \*/

\*\*\* This comment has more  
than one line \*\*\*

// This comment has more  
than one line //

<!-- This comment has more  
than one line -->

**Question 10**

**1 / 1 pts**

Which of the following will be assigned to the variable **target** given the following code snippet.

let scores = [56, 78, 95, 77, 65, 86];  
let target = scores.indexOf(78);

78

6

1

2

-1

**Question 11**

**1 / 1 pts**

Which of the following statements correctly uses a template literal (string interpolation) instead of the string concatenation as shown?

const ward = "<strong>Unit Name</strong>: " + ward;

let ward = '${<strong>Unit Name</strong>}: {ward}';

const ward = `<strong>Unit Name</strong> + {ward}`;

const ward = `<strong>Unit Name</strong>: ${ward}`;

let ward = "<strong>Unit Name</strong>: {ward}";

**Question 12**

**1 / 1 pts**

Which of the following array method statements correctly creates a new array named '**outreach**' that contains values from the **scores**array that are less than 70?

const scores = [99, 88, 93, 70, 84, 69];

const outreach= scores .map(total => total < 70);

let outreach= scores .reduce(function() { total < 70 });

const outreach = scores .filter(total => total < 70);

const outreach= scores .map(function() { total < 70 });

**Question 13**

**1 / 1 pts**

Given the following object definition:

let product = {'id':'455689A','price':23.99,'cost':15,'shelfDate':'10/01/2024'}

Which of the following statements will correctly access the value associated with the **cost** key for this **product**variable and store it in a variable named '**itemcost'**.

let itemcost = product['cost'];

let itemcost = cost.product(455689A);

let itemcost = product.cost();

let itemcost = product.cost(455689A);

**Question 14**

**1 / 1 pts**

Given the following statements:

const section = document.createElement('section');  
const h3 = document.createElement('h3');  
h3.textContent = 'Relief Society';

Which of the following statements correctly adds the **h3**heading with its content to the newly created **section**variable?

section.innerHTML = h3;

section.h3.append;

section.appendChild(h3);

h3 += section;

**Question 15**

**1 / 1 pts**

Given this function expression that computes the wind chill factor,

const computeWindChill = function(windSpeed, temperature) {  
 // Fahrenheit Only  
 return 35.74 + (0.6215 \* temperature) - (35.75 \* Math.pow(windSpeed, 0.16)) + (0.4275 \* temperature \* Math.pow(windSpeed, 0.16));  
};

Which of the following correctly **calls** the function using arguments of **speed** and **temp?**

function computeWindChill()

let windChill = windChill(windSpeed, temperature)

computeWindChill(speed, temp)

function computeWindChill(speed, temp)

computeWindChill(windSpeed, temperature)

**Question 16**

**1 / 1 pts**

Given the following array definition and subsequent code,

const countries = ["Canada", "Chili", "Colombia", "Croatia", "Costa Rica"];  
const countriesLong = countries.\_\_\_\_((country) => country.length > 7);

Which of the following keywords when used for the blank                               correctly filters the **countries** array to a new array named **countriesLong**where the country names are more than 7 characters?

reduce

map

find

filter

**Question 17**

**1 / 1 pts**

Which of the following options correctly describes the purpose of the **forEach**loop?

It is used to sort the elements of an array in ascending or descending order.

It is used to filter elements in an array based on a specified condition.

It is used to execute a block of code repeatedly for a specific number of times.

It is used to iterate over the elements of an array and execute a provided function for each element of the array..

**Question 18**

**1 / 1 pts**

Which JavaScript method is used to attach an event handler to an HTML element?

querySelector()

handleEvent()

addEventListener()

appendButtonChild()

handle()

**Question 19**

**1 / 1 pts**

Given that the parent items is a CSS grid, **how many columns** will this <aside> span?

aside {   
 border: 1px solid #eee;  
  padding: 2rem;  
  text-align: center;  
  grid-column: 1 / 3;  
}

3

5

1

4

2

**Question 20**

**1 / 1 pts**

A member of your team's **media query** for larger views is **not working** and provides you a copy of the **media-query-large.css** file for review.  
Which of the following feedback statements should your provide to them?  
***Check all that apply.***

@media screen and (min-width: 30em) {  
 h1 {  
 font-size: 2.5rem;  
 }  
}  
 main {  
 grid-template-columns: 1fr 1fr 1fr;  
}

The problem is not found in the CSS file.

You must include the screen media type in the @media query.

The media query ends too soon. It does not contain all the intended CSS rules.

You cannot use em units in media queries.

**Question 21**

**1 / 1 pts**

Which of the following CSS selectors would correctly place a check box in front of all the elements with a class of "check" in front of its existing content?

#check:first { content: "✅"; }

div#check::content{ before: "✅"; }

.check::marker { front: "✅"; }

.check::before { content: "✅"; }

**Question 22**

**1 / 1 pts**

*Finish this statement.*  
The                                   pseudo-class is useful for declaring global CSS variables and represents the <html> element and is identical to the selector html, except that its specificity is higher.

html

specific

root

global

**Question 23**

**1 / 1 pts**

*Select the correct answer to complete the following statement.*  
To apply CSS Flex, you can define a flex container using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_property on the parent element.

flex: 100%;

cssflex: 100%;

display: flex;

flex: 1 1 auto;

**Question 24**

**1 / 1 pts**

What does the : syntax in the CSS rule selector do?  
Example:

a:hover {  
 text-decoration: overline;  
}

Selects a hidden element

Selects a pseudo-class

Selects a pseudo-element

Selects a DOM event

**Question 25**

**1 / 1 pts**

Which of the following best describes the **space around the content** from the CSS box model?

padding

paragraph

margin

border

space-between

**Question 26**

**1 / 1 pts**

Given the following HTML markup snippet:

<ul>  
    <li>Unordered item</li>  
    <li>Unordered item  
        <ol>  
            <li>Item 1</li>  
            <li>Item 2</li>  
        </ol>  
    </li>  
</ul>

Which of the following CSS selectors selects the outer, unordered list items and not the embedded ordered list items?

ul ~ li

ul li

ul + li

ul > li

**Question 27**

**1 / 1 pts**

Which of the following code expressionsgets the last **index** of any **array**?

array.lastIndex()

array.length - 1

array.length

array.lastIndex

Incorrect

**Question 28**

**0 / 1 pts**

A student has this code for their responsive image. What feedback would you give them?  
Check all the apply.

<picture>  
 <source srcset="images/hero-large.webp" media="(min-width: 1200px)">  
 <source srcset="images/hero-medium.webp" media="(min-width: 800px)">  
 <img srcset="images/hero-small.webp" alt="Hero Photo" width="500" height="250">  
</picture>

Good job, the code looks good. This is incorrect.

You are not allowed to use min-width with the <source> element's media attribute.

Your source references are missing alt attributes.

Replace srcset with src in the <img> tag.

**Question 29**

**1 / 1 pts**

Which of the following would change the background color of every other row in an HTML table?  
***Check all that apply.***

tr:odd-rows {background-color: skyblue}

tr:nth-child(odd) {background-color: skyblue}

tr:nth-child(:not(first)) {background-color: skyblue}

tr:nth-child(even) {background-color: skyblue}

tr:even-rows {background-color: skyblue}

**Question 30**

**1 / 1 pts**

Which of the following is an accurate example of writing a comment in CSS?

<!-- a comment -->

/\* a comment \*/

<comment>a comment</comment>

// a comment

**Question 31**

**1 / 1 pts**

Which of the following is the correct syntax to write a CSS **shorthand declaration**to apply a top and bottom margin of 1 rem and left and right margin of 2 rem?

margin: 1rem 2rem;

margins: 2rem;

margin-all: 1rem + 2rem;

margins: 1rem 2rem 1rem;

margin-top: 1rem; margin-right: 2rem; margin-bottom: 1rem; margin-left:2rem;

**Question 32**

**1 / 1 pts**

*Choose the correct answer to make the following statement true.*

In a HTML form, each field must have a \_\_\_\_\_\_ attribute to be submitted. If this attribute is omitted, the data of that input field will not be sent when the form is successfully submitted.

id

required

class

name

**Question 33**

**1 / 1 pts**

Which of the following input types would be the best choice for displaying choices to a user if they are only allowed to select **one**choice?

type="choice"

type="range"

type="select"

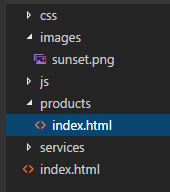
type="radio"

type="checkbox"

**Question 34**

**1 / 1 pts**

Given the following simple file structure within a folder:



Which of the following is the correct src reference to the ***sunset.png*** image file from the ***index.html*** file (shown as highlighted) located in the products sub-folder?

../images/sunset.png

products/images/sunset.png

images/sunset.png

.images/sunset.png

**Question 35**

**1 / 1 pts**

Given the following statements:

const section = document.createElement('section');  
const h3 = document.createElement('h3');  
h3.textContent = 'Relief Society';

Write the line of code that would add the **h3**heading with its content to the newly created **section**variable.

section.appendChild(h3);