**QUESTION 1**

Which CSS Position property removes the element from the document flow and positions it with respect to the containing element with a position set?

|  |  |  |
| --- | --- | --- |
|  |  | absolute |
|  |  | fixed |
|  |  | relative |
|  |  | static |

**QUESTION 2**

Given the following lines of JavaScript Code:

var max = 8;  
var min = 2;  
var value = 8;  
if ( value < max ) {  
    while (value <= max) {  
        value++;  
    }  
} else {  
    while (value >= min) {  
        value--;  
    }  
}  
alert(value);

What number will appear in the alert box?

|  |  |  |
| --- | --- | --- |
|  |  | 9 |
|  |  | 1 |
|  |  | 8 |
|  |  | 2 |

**QUESTION 3**

The Same-Origin Policy in the browser says that a JavaScript AJAX call on a webpage can request data from any server, domain, subdomain, protocol or port it wants too and receive results.

 True

 False

**QUESTION 4**

Which HTML tag should you use to surround you most important headline on a page?

|  |  |  |
| --- | --- | --- |
|  |  | <head> |
|  |  | <h1> |
|  |  | <header> |
|  |  | <title> |

**QUESTION 5**

Which of the following are correct ways to write a comment in JavaScript?

|  |  |  |
| --- | --- | --- |
|  |  | // This is a comment |
|  |  | <!-- This is a comment --> |
|  |  | # This is a comment |
|  |  | /\* This is a comment \*/ |

**QUESTION 6**

It is always preferred to use an external style sheet.

 True

 False

**QUESTION 7**

Where is the correct place to insert JavaScipt in an HTML document?

|  |  |  |
| --- | --- | --- |
|  |  | The <head> section |
|  |  | The <body> section |
|  |  | Either the <head> section or the <body> section |

**QUESTION 8**

The following HTML represents the complete and valid HTML5 skeleton page structure we talked about in class.

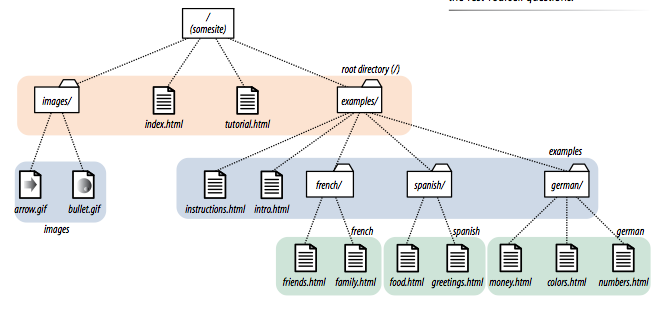
<html>  
    <head>  
        <meta charset="UTF-8">  
        <title>Document</title>  
    </head>  
      
    <body>  
    </body>  
</html>

 True

 False

**QUESTION 9**

Using this image of a filesystem structure of a website:

  
If I wanted to use the arrow.gif image in the images folder on the color.html page in the german folder what would be the correctly written image tag?

|  |  |  |
| --- | --- | --- |
|  |  | <img alt="arrow" src="arrow.gif"> |
|  |  | <img alt="arrow" src="../../images/arrow.gif"> |
|  |  | <img alt="arrow" src="images/arrow.gif"> |
|  |  | <img alt="arrow" src="../images/arrow.gif"> |

**QUESTION 10**

Which of the following are correct ways to write a comment in CSS?

|  |  |  |
| --- | --- | --- |
|  |  | // This is a comment |
|  |  | # This is a comment |
|  |  | /\* This is a comment \*/ |
|  |  | <!-- This is a comment --> |

**QUESTION 11**

Who is the person who is credited for creating the world wide web and wrote the proposal that describes its structure and use?

|  |  |  |
| --- | --- | --- |
|  |  | Tim Berners-Lee |
|  |  | Vint Cerf |
|  |  | Marc Andreeson |
|  |  | Brendan Eich |
|  |  | Bob Kahn |

**QUESTION 12**

Which HTML attribute must have a value that is only used once in an HTML document?

|  |  |  |
| --- | --- | --- |
|  |  | type |
|  |  | value |
|  |  | class |
|  |  | src |
|  |  | title |
|  |  | id |

**QUESTION 13**

Match the HTTP status codes with their descriptions.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | A | OK | | P | Moved Permanently | | N | Not Found | | F | Forbidden | | K | Not Modified | | B | Internal Server Error | | E | Bad Request | | G | Service Unavailable | | I | Method Not Allowed | | M | Bad Gateway | | |  |  | | --- | --- | | A. | 200 | | B. | 500 | | C. | 302 | | D. | 501 | | E. | 400 | | F. | 403 | | G. | 503 | | H. | 401 | | I. | 405 | | J. | 418 | | K. | 304 | | L. | 504 | | M. | 502 | | N. | 404 | | O. | 202 | | P. | 301 | |

**QUESTION 14**

In JavaScript, what is the resulting value of the following mathematical operation.

var result = 25 % 8;

Variable result will be?

|  |  |  |
| --- | --- | --- |
|  |  | 3 |
|  |  | 1 |
|  |  | 3.125 |
|  |  | 4 |

**QUESTION 15**

Using jQuery, how do you change all the image tags in an HTML document that have the "icon" class to have a source of "redicon.png".

|  |  |  |
| --- | --- | --- |
|  |  | $('img.icon').attr('src', 'redicon.png'); |
|  |  | $('img.icon').src = 'redicon.png'; |
|  |  | $('img.icon').src('redicon.png'); |
|  |  | $('img.icon').attr('src') = 'redicon.png'; |

**QUESTION 16**

Assume I am using the standard box model as described in class. If I have a div element that has the following CSS applied, how wide will the colored part of the div appear in the browser?

div {  
    background-color: blue;  
    width: 300px;  
    height: 120px;  
    padding: 5px 10px;  
    margin: 0px 15px 0px 15px;  
    border: 4px solid red;  
}

|  |  |  |
| --- | --- | --- |
|  |  | 330px |
|  |  | 318px |
|  |  | 350px |
|  |  | 328px |
|  |  | 308px |
|  |  | 300px |

**QUESTION 17**

Which HTML form control do you use to specify the choices that are included in a drop-down menu?

|  |  |  |
| --- | --- | --- |
|  |  | <item> |
|  |  | <menu> |
|  |  | <select> |
|  |  | <input type="list"> |
|  |  | <option> |

**QUESTION 18**

Given the following lines of JavaScript code:

var count = 6;  
var myarray = ["apple", "2", "green", 8, 10, true, "4", count];

What is the value of the following expression?

myarray[1] + myarray[3] + myarray[7]

|  |  |  |
| --- | --- | --- |
|  |  | 16 |
|  |  | "286" |
|  |  | undefined |
|  |  | "applegreen4" |

**QUESTION 19**

You create a clickable hyperlink on a web page with the <link> tag.

 True

 False

**QUESTION 20**

You have the following JavaScript object:

var obj = {  
    color: "blue",  
    size: 28  
}

Which JavaScript statement will set the size to 32?

|  |  |  |
| --- | --- | --- |
|  |  | obj[size] = 32; |
|  |  | obj.size = 32; |
|  |  | obj{"size"} = 32; |
|  |  | obj.size(32); |

**QUESTION 21**

In CSS, which attribute selector would you use to select elements whose specified attribute values end in the string of characters provided in the selector?

|  |  |  |
| --- | --- | --- |
|  |  | element[attribute|="the value"] |
|  |  | element[attribute$="the value"] |
|  |  | element[attribute^="the value"] |
|  |  | element[attribute~="the value"] |

**QUESTION 22**

In an HTML5 document the type="text/javascript" attribute is required to be on the script tag.

 True

 False

**QUESTION 23**

Given the following lines of JavaScript:

var result = 2;  
var items = [3, 2, 8, 12];  
for (var i = 0; i < items.length; i++) {  
    result = result + items[ i ];  
}

What is the value of result after the code has run?

|  |  |  |
| --- | --- | --- |
|  |  | 27 |
|  |  | 25 |
|  |  | 20 |
|  |  | 2 |
|  |  | 14 |

**QUESTION 24**

Which protocol is used to translate a domain name into an ip address?

|  |  |  |
| --- | --- | --- |
|  |  | UDP |
|  |  | HTTP |
|  |  | TCP |
|  |  | DNS |
|  |  | IP |
|  |  | ARP |

**QUESTION 25**

If you wanted the following HTML element to respond to a mouse click using a JavaScript function called "buttonHandler", what would be the **best, most prefered, and most standards compliant** method to do that as described in class?

<div id="abutton">click me</div>

|  |  |  |
| --- | --- | --- |
|  |  | Using the add event listener method  document.getElementById('abutton').addEventListener('click', buttonHandler); |
|  |  | Using the attach event method  document.getElementById('abutton').attachEvent('onclick', buttonHandler); |
|  |  | As an HTML attribute  <div id="abutton" onclick="buttonHandler()">click me</div> |
|  |  | As an method attached to a DOM element  document.getElementById('abutton').onclick = buttonHandler; |

**QUESTION 26**

jQuery is a complete replacement for the JavaScript language itself?

 True

 False

**QUESTION 27**

Give the following lines of JavaScript:

var numbers = ["one", "two", "three", "four"];  
var myNumber = numbers[1];

What is the value of myNumber?

|  |  |  |
| --- | --- | --- |
|  |  | "two" |
|  |  | "three" |
|  |  | "four" |
|  |  | "one" |

**QUESTION 28**

Which HTML attribute is used on form controls to define the parameter/variable that the data from that control will be stored in when transfered to the application or script.

|  |  |  |
| --- | --- | --- |
|  |  | value |
|  |  | var |
|  |  | name |
|  |  | id |
|  |  | title |

**QUESTION 29**

Who is credited with creating Mosaic, the first graphical web browser?

|  |  |  |
| --- | --- | --- |
|  |  | Vint Cerf |
|  |  | Brendan Eich |
|  |  | Bob Kahn |
|  |  | Tim Berners-Lee |
|  |  | Marc Andreeson |

**QUESTION 30**

What is the correct syntax to reference an external style sheet in an HTML document?

|  |  |  |
| --- | --- | --- |
|  |  | <style src="stylesheet.css" rel="stylesheet" type="text/css"> |
|  |  | <link src="stylesheet.css" rel="stylesheet" type="text/css"> |
|  |  | <link href="stylesheet.css" rel="stylesheet" type="text/css"> |
|  |  | <style href="stylesheet.css" rel="stylesheet" type="text/css"> |

**QUESTION 31**

Given the following HTML and CSS rules. What color would the text in the paragraph be?

<div id="first-section">  
    <p class="first-para">Some text in the paragraph</p>  
</div>

CSS Rules (in order defined in stylesheet):  
  
.first-para {  
    color: black;  
}  
  
div p {      
    color: red;  
}  
  
p {      
    color: green;  
}

#first-section {  
    color: blue;  
}

|  |  |  |
| --- | --- | --- |
|  |  | red |
|  |  | blue |
|  |  | black |
|  |  | green |

**QUESTION 32**

Which HTML tag would you use to define a bulleted list and wrap all its items?

|  |  |  |
| --- | --- | --- |
|  |  | <dl> |
|  |  | <list> |
|  |  | <dd> |
|  |  | <li> |
|  |  | <ol> |
|  |  | <ul> |

**QUESTION 33**

Which of the following is a block level HTML element?

|  |  |  |
| --- | --- | --- |
|  |  | <p> |
|  |  | <strong> |
|  |  | <span> |
|  |  | <a> |
|  |  | <img> |

**QUESTION 34**

Typically, you should always us POST as the value of the action attribute on any HTML form tag.

 True

 False

**QUESTION 35**

Which CSS property is used to change the font that is being used inside a CSS rules declaration block?

|  |  |  |
| --- | --- | --- |
|  |  | font-face |
|  |  | font-family |
|  |  | font-style |
|  |  | font-variant |

**QUESTION 36**

What is the proper HTML 5 doctype line.

|  |  |  |
| --- | --- | --- |
|  |  | <!DOCTYPE html5> |
|  |  | <!DOCTYPE html> |
|  |  | <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 5"> |
|  |  | <DOCTYPE HTML> |

**QUESTION 37**

How do I change all the H1 tags on a page to have blue text using JavaScript?

|  |  |  |
| --- | --- | --- |
|  |  | window.getElementsByTagName("h1").css.color("blue"); |
|  |  | window.getElementsByTagName("h1").style.color("blue"); |
|  |  | document.getElementsByTagName("h1").css.color = "blue"; |
|  |  | document.getElementsByTagName("h1").css.color("blue"); |
|  |  | document.getElementsByTagName("h1").style.color("blue"); |
|  |  | window.getElementsByTagName("h1").css.color = "blue"; |
|  |  | window.getElementsByTagName("h1").style.color = "blue"; |
|  |  | document.getElementsByTagName("h1").style.color = "blue"; |

**QUESTION 38**

Given the following CSS rule:

p {  
    margin: 10px 5px 15px 20px;  
}

What is the value of the right margin?

|  |  |  |
| --- | --- | --- |
|  |  | 20px |
|  |  | 15px |
|  |  | 5px |
|  |  | 10px |

**QUESTION 39**

Which of the following is the correct way to select an element with an id of "main-content" in jQuery?

|  |  |  |
| --- | --- | --- |
|  |  | $(.main-content) |
|  |  | $("main-content") |
|  |  | $("#main-content") |
|  |  | $(main-content) |
|  |  | $(#main-content) |
|  |  | $(".main-content") |

**QUESTION 40**

Which of the following are correct ways to write a comment in HTML?

|  |  |  |
| --- | --- | --- |
|  |  | /\* This is a comment \*/ |
|  |  | <!-- This is a comment --> |
|  |  | // This is a comment |
|  |  | # This is a comment |

**QUESTION 41**

Fill in the blanks with the matched answer.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | |  | HTML is the \_\_\_\_\_C\_\_\_\_\_ layer of your webpage. | |  | CSS is the \_\_\_\_B\_\_\_\_\_\_ layer of your webpage. | |  | JavaScript is the \_\_\_\_A\_\_\_\_\_\_ layer of your webpage. | | |  |  | | --- | --- | | A. | behavior | | B. | presentation | | C. | content | |

**QUESTION 42**

Which of the following is not a front-end or client-side web technology?

|  |  |  |
| --- | --- | --- |
|  |  | jQuery |
|  |  | JavaScript |
|  |  | HTML |
|  |  | PHP |
|  |  | CSS |

**QUESTION 43**

Who is the person who is credited for creating JavaScript?

|  |  |  |
| --- | --- | --- |
|  |  | Bob Kahn |
|  |  | Marc Andreeson |
|  |  | Tim Berners-Lee |
|  |  | Brendan Eich |
|  |  | Vint Cerf |

**QUESTION 44**

When using the explicit association of a label with a form control, the label tag's "for" attribute's value should be set to the form control's "id" attribute's value.

 True

 False

**QUESTION 45**

JavaScript was originally developed by Microsoft for the IE browser.

 True

 False

**QUESTION 46**

Which of the following is the correct way to select an element with an id of "main-content" in JavaScript?

|  |  |  |
| --- | --- | --- |
|  |  | window.getElementById("main-content") |
|  |  | document.getElementById("#main-content") |
|  |  | window.getElementById(#main-content) |
|  |  | document.getElementById("main-content") |