Microsoft

Exam Questions 70-480

Programming in HTML5 with JavaScript and CSS3
NEW QUESTION 1
You are developing a web form that includes the following code.

When a user selects the check box, an input text box must be added to the page dynamically. You need to ensure that the text box is added. Which function should you use?

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

Explanation: We create a new div element with the textbox.
We then use appendChild() method appends this node as the last child the input node divname. Reference: HTML DOM appendChild() Method

NEW QUESTION 2
You are developing an HTML5 web page.
The appearance of the text box must change when a user moves the focus to another element on the page.
You need to develop the page to respond to user action. Which line of code should you use?

A. <input type="text" onblur="resetStyle(this);" />
B. <input type="text" onfocus="resetStyle(this);" />
C. <input type="text" onreset="resetStyle(this);" />
D. <input type="text" onselect="resetStyle(this);" />

Answer: A

Explanation: Definition and Usage
The onblur event occurs when an object loses focus.
Example
Execute a JavaScript when a user leaves an input field:
<input type="text" onblur="myFunction()" />
Reference: onblur Event http://www.w3schools.com/jsref/event_onblur.asp

NEW QUESTION 3
HOTSPOT
You are developing an HTML5 application for a company. You apply the following style to a DIV element on a page.
You need to submit a draft illustration of the results of this code. Which illustration should you submit? (To answer, select the appropriate illustration in the answer area.)

Answer:

Explanation: Example: div {
border: 3px solid; background: #b6aaaa; width: 200px;
height: 100px; top: 10%;
left: 10%;
border-radius: 25px 0px 25px 0px;
}

Result:

Reference: CSS3 border-radius Property

NEW QUESTION 4
You are developing a web page that will be divided into three vertical sections. The main content of the site will be placed in the center section. The two outer sections will contain advertisements. You need to ensure that the visual layout of the page meets the requirements. Which CSS3 property should you use?

A. box-orient
B. box-flex-group
C. box-flex
D. box-direction

Answer: C

Explanation: box-flex
Values: 0 | Any integer
The flexibility ratio for this child. If a child had 1 and its sibling had 2, any additional space in the parent box would be consumed twice as much by the sibling. It defaults to 0 which is inflexible. Reference: Quick hits with the Flexible Box Model http://www.html5rocks.com/en/tutorials/flexbox/quick/

NEW QUESTION 5
HOTSPOT
You are developing a form that captures a user's email address by using HTML5 and jQuery. The form must capture the email address and return it as a query string parameter. The query string parameter must display the @ symbol used in the email address.

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address.
You need to implement this functionality.
How should you develop the form? (To answer, select the appropriate options from the drop-down lists in the answer area.)

```html
<!DOCTYPE html>
<html>
<head>
  <script src="http://code.jquery.com/jquery-latest.js"></script>
</head>
<body>
<form>
  <input type="text" name="email" />
  <input type="submit" value="Submit" />
</form>
<script>
  $("form").submit(function () {
    var str;
    str = $("form").serialize();
    str = decodeURIComponent(str);
    str = decodeURIComponent(str);
    str = decodeURIComponent(str);
    str = decodeURIComponent(str);
    str = decodeURIComponent(str);
    return true;
  });
</script>
</body>
</html>
```

Answer:

Explanation: * serialize()
Encode a set of form elements as a string ready for submission. decodeURIComponent
* To decode the string, PHP offers the uridecode() function.

NEW QUESTION 6
You are modifying a blog site to improve search engine readability.
You need to group relevant page content together to maximize search engine readability. Which tag should you use?

A. <span>
B. <nav>
C. <cable>
D. <section>

Answer: D

Explanation: The <section> tag defines sections in a document. Such as chapters, headers, footers, or any other sections of the document.

NEW QUESTION 7
You develop a webpage.
The webpage must display a grid that contains one row and five columns. Columns one, three, and five are the same width. Columns two and four are the same width, but much wider than columns one, three, and five. The grid resembles the following image:
The grid must meet the following requirements:
Each row must be tall enough to ensure that images are not cut off. Each row must contain five columns.
The width of the columns must not change when the screen is resized or rotated. You need to define the style for the grid. Which CSS3 style should you use?

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation: * -ms-grid-rows property auto
The height of a row is computed based on the tallest child element in that column. Incorrect:
Not A: The width of the columns must not change when the screen is resized or rotated.
Not B, Not D: -ms-grid-rows property min-content
The minimum height of any child elements is used as the height of the row.
Note:
* width
The width of each column specified as one of the following values:
A length consisting of an integer number, followed by an absolute units designator ("cm", "mm", "in", "pt", or "pc") or a relative units designator ("em", "ex", or "px").
A percentage of the object width.
A proportion of the remaining horizontal space (that is, the object width, less the combined widths of other tracks), consisting of an integer number followed by a fractional designator ("fr"). For example, if "200px 1fr 2fr" is specified, the first column is allocated 200 pixels, and the second and third columns are allocated 1/3 and 2/3 of the remaining width, respectively.

NEW QUESTION 8
HOTSPOT
You review a web form that contains the following markup and code:
You need to ascertain how the webpage responds when it loads and how it reacts to user actions.
For each statement in the table, select Yes if the code segment above causes the page to behave as described. Select No if it does not. Make only one selection in each column.

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Description of behavior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Both text boxes are displayed with a yellow background when the page loads.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The background color of both text boxes changes to yellow each time the text boxes receive the focus.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.</td>
</tr>
</tbody>
</table>

Answer:

Explanation:

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Description of behavior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>![Yes Icon]</td>
<td>Both text boxes are displayed with a yellow background when the page loads.</td>
</tr>
<tr>
<td>![Yes Icon]</td>
<td>![No Icon]</td>
<td>The background color of both text boxes changes to yellow each time the text boxes receive the focus.</td>
</tr>
<tr>
<td>![Yes Icon]</td>
<td>![No Icon]</td>
<td>If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.</td>
</tr>
</tbody>
</table>

NEW QUESTION 9
You are developing a web application that can function when users are not connected to the Internet. You need to check the Internet connectivity status of a user's browser. Which method should you use?
A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

Explanation:
Navigator onLine Property
The onLine property returns a Boolean value that specifies whether the browser is in online or offline mode. Example
Find out whether the browser is online:
var x = "Is the browser online? " + navigator.onLine; The result of x will be:
Is the browser online? true Reference: Navigator onLine Property

NEW QUESTION 10
DRAG DROP
You are implementing a web worker by using JavaScript and HTML5. The web worker processes a long-running loop and returns the result to a webpage. The web worker is defined on the webpage as follows:

```
var myWorker = new Worker('task.js');
myWorker.postMessage(
    {
        message: 'go',
        iterations: 100000000
    });
```

You have the following requirements:
Evaluate the message value in the web worker.
Process the loop based on the iterations value that is passed from the webpage. Return a value back to the webpage from the web worker.
You need to implement the web worker. How should you complete the relevant code? (To answer, drag the appropriate code segment to the correct location or locations in the answer are)

**Answer:**

**Explanation:**

Note:
* The event object for a message event supports the following additional properties: the data property contains the message, the origin property retrieves the scheme, hostname and port of the document that invoked the postMessage method, the source property refers to the window object that contains the document that invoked the postMessage method, the lastEventId property returns the identifier of the last message.

**NEW QUESTION 11**

**DRAG DROP**

You are developing an application by using JavaScript. You must write a function that returns the sum of the variables named v1, v2, v3, v4. You need to complete the sum function. How should you complete the relevant code? (To answer, drag the appropriate code segment or segments to the correct location or locations in the answer are)

**Answer:**

**Explanation:**

* What is the difference between call and apply?
  apply lets you invoke the function with arguments as an array; call requires the parameters be listed explicitly.
  Pseudo syntax: theFunction.apply(valueForThis, arrayOfArgs) theFunction.call(valueForThis, arg1, arg2, ...)

Reference: What is the difference between call and apply?

**NEW QUESTION 12**

You troubleshoot a webpage that contains the following HTML markup: (Line numbers are included for reference only.)

```
01 <div onclick="someEvent()">
02 <input type="radio" name="sizeRadio" id="sizeRadioSml" value="1" />
03 <label for="sizeRadioSml">Small</label>
04 <input type="radio" name="sizeRadio" id="sizeRadioMed" value="2" />
05 <label for="sizeRadioMed">Medium</label>
06 <input type="radio" name="sizeRadio" id="sizeRadioLrg" value="3" />
07 <label for="sizeRadioLrg">Large</label>
08 </div>
```

The webpage also contains the following JavaScript function named someEvent() that is declared in the HEAD section of the HTML:
```
Function someEvent() { Alert('someEvent fired!'); }
```

The JavaScript function named someEvent() must run only when the user clicks the DIV element, not the INPUT elements. You need to modify the webpage to invoke the JavaScript function named someEvent(). What should you do? (Each correct answer presents a complete solution. Choose two.)
NEW QUESTION 13
You develop an HTML5 webpage with custom CSS. You have the following HTML markup:

```html
<div class="new" Item">...
</div>
```

You have the following requirements:

- In addition to your CSS, you must use a corporate branded stylesheet named corporate.css. The corporate.css file contains the style rule that must be used for .newsItem.
- You must use the corporate.css file to ensure that the webpage changes when the brand changes. You must add additional style rules to the webpage.
- You cannot modify the corporate.css file.

You need to apply the appropriate CSS rules to meet the requirements. What should you do?

A. Add a CSS class named .newsItemUpdates to the webpage, add only the new styles to this class, and update the class attribute of the HTML markup:<div class="newsitem newsItemUpdates">...

B. Update the corporate.css file to include !important for each rule for the .newsitem.

C. Add the new CSS rules to the webpage by using the CSS class .newsitem.

D. Add a CSS class named .newsitemUpdates to the webpage, add the new styles to this class, and update the HTML markup to replace the .newsitem class with this new class. <div class="newsitemUpdates">...

E. Add the new CSS rules to the webpage by using the CSS class .newsitem, and add !important to each rule.

Answer: D

**Explanation:**
CSS attempts to create a balance of power between author and user style sheets. By default, rules in an author's style sheet override those in a user's style sheet.
However, for balance, an "important" declaration (the delimiter token "!") and keyword "important" follow the declaration) takes precedence over a normal
declaration. Both author and user style sheets may contain "important" declarations, and user "important" rules override author "important" rules. This CSS feature improves accessibility of documents by giving users with special requirements (large fonts, color combinations, etc.) control over presentation.

Incorrect:
Not B: It is stated that you are not allowed to update the corporate.css file. Reference: Assigning property values, Cascading, and Inheritance, "important" rules

NEW QUESTION 14
You are developing an application that retrieves a stock rate from an external web service. A web page displays a simple rotating animation to indicate whether the stock rate is increased or decreased.

The default image, as shown in the following graphic, indicates unchanged or neutral.

The arrow must point down if the stock rate is decreased, as shown in the following graphic.

You need to ensure that the arrow points down when the stock rate decreases. Which CSS style should you apply?

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

Explanation: transform:rotate(90deg)
Defines a 2D rotation, the angle is specified in the parameter Syntax: object.style.transform="rotate(7deg)"
Reference: CSS3 transform Property
NEW QUESTION 15
An HTML page contains no embedded JavaScript or CSS code. The body of the page contains only the following line of code.

```html
<p id="test">test</p>
```

A CSS style sheet must be applied dynamically. The style must visibly change the appearance of the paragraph on the page.

You need to apply a style to the paragraph. Which line of code should you use?

A. `document.getElementById("test").style.top = "5px";`
B. `document.getElementById("test").style.border = "0";`
C. `document.getElementById("test").style.color = "red";`
D. `document.getElementById("test").style.position = "absolute";`

**Answer:** C

NEW QUESTION 16
You are developing an application that consumes an external web service. The web service returns the latest stock rate. The application has two methods:

*The getResults() method makes an AJAX web service request.*

*The ShowRate() method displays the stock rate from the web service response.*

The application has two JavaScript variables named `newStockRate` and `stockRate` to store the latest and previous stock rates, respectively.

Users must be able to compare the old stock rate with the new stock rate.

You need to ensure that `newStockRate` and `stockRate` retain their values for comparison. Which code segment should you use?

```javascript
A. var newStockRate;

  function getResults() {
    var stockRate:

    $.ajax {
      async: true,
      cache: true,
      type: 'POST',
      url: 'StockRates.asmx/GetRate',
      data: { StockName: stockName },
      datatype: 'json',
      success: function (result) {
        newStockrate = result;
        newStockrate = result;
      },
      error: function (xhr, ajaxOptions, thrownError) { alert(thrownError) }
    });
    ShowRate(newStockrate);
  }

  function ShowRate(pStockRate) {
    alert(pStockRate + " "+ stockRate);
  }
```
B. function getResults() {
  var stockRate;

  var newStockRate:

  $.ajax (
    { async: true,
      cache: true,
      type: ‘POST’,
      url: ‘StockRates.asmx/GetRate’,
      data: {‘StockName’: stockName },
      datatype: ‘json’,
      success: function (result) {
        stockrate = result;
      },
      error: function (xhr, ajaxOptions, thrownError) {alert(thrownError) }
    });
  ShowRate(pStockRate);
}
function ShowRate(pStockRate) {
  alert(pStockrate + “ ” + stockRate);
}

C. var newStockRate:
function getResults() {
  var StockRate:

  $.ajax (
    { async: true,
      cache: true,
      type: ‘POST’,
      url: ‘StockRates.asmx/GetRate’,
      data: {‘StockName’: stockName },
      datatype: ‘json’,
      success: function (result) {
        stockrate = result;
      },
      error: function (xhr, ajaxOptions, thrownError) {alert(thrownError) }
    });
  ShowRate(newsStockRate);
}
function ShowRate(pStockRate) {
  alert(pStockrate + “ ” + stockRate);
}
NEW QUESTION 17
You need to write a self-executing anonymous function in JavaScript. Which code snippet should you include in the function?

A. `(function () {...});`
B. `(function anon() {...}) ();`
C. `(function anon() {...};`
D. `(function () {...}) ();`

Answer: D

Explanation: References:
http://esbueno.noahstokes.com/post/77292606977/self-executing-anonymous-functions-or-how-to-write

NEW QUESTION 18
Which CSS3 code fragment styles an H2 element only if it is a direct child of a DIV element?

A. `h2 > div {background-color: #900;}`
B. `div, h2 {background-color: #900;}`
C. `div {background-color: #900;}h2 {background-color: #900;}`
D. `div > h2 {background-color: #900;}`

Answer: D

Explanation: https://www.w3.org/TR/CSS21/selector.html%23id-selectors

NEW QUESTION 19
You develop an HTML5 webpage. You have the following HTML markup:

```html
Message: <input type="text" id="message" />
<br />
<input type="button" id="postMessage" value="Post" onclick="postMessage() ;" />
```

You also have the following JavaScript code:

```javascript
var socket = new WebSocket("ws://myserver");
```

You need to post messages by using the HTML5 WebSocket API. Which code segment should you use?
A. socket.onmessage($("#message").val());
B. socket.send($("#message").val());
C. var msg = $("#message").val();$.post(socket, function (msg) { ... });
D. var msg = $("#message").val();$.post(socket.onmessage, function (msg) { ... });

Answer: B


NEW QUESTION 20
You would like to create a Windows 8 application by using Blend and HTML5, JavaScript, and CSS3. Which feature of Blend enables you to pause an application when it reaches a desired state so you can set the style rules for the page and its controls while in this state? (Choose all that apply.)

A. Assets panel
B. Projects panel
C. Visual Design
D. Interactive mode

Answer: CD

Explanation: References:

NEW QUESTION 21

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