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【Exam Code】 [70-480](#)

【Exam Name】 Programming in HTML5 with JavaScript and CSS3

【Certification Provider】 Microsoft

【Corresponding Certifications】 MCSD, MCSD: SharePoint Applications, MCSD: Web Applications, MCSD: Windows Store Apps, Microsoft Specialist: Visual Studio

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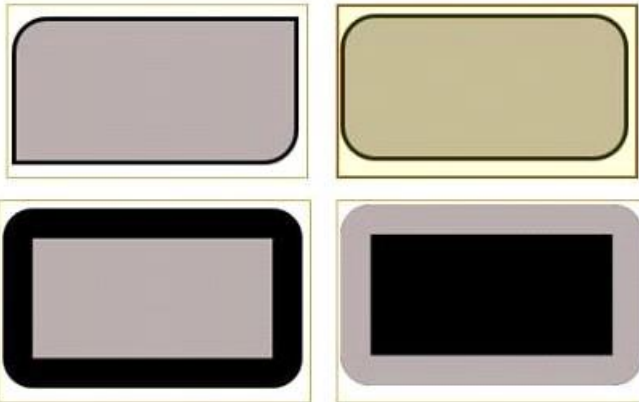
QUESTION 21

Hotspot Question

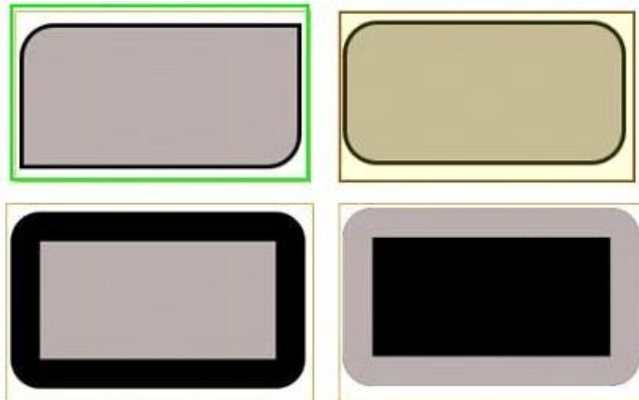
You are developing an HTML5 application for a company.
You apply the following style to a DIV element on a page.

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

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:



QUESTION 22

Drag and Drop Question

You are developing a web page by using HTML5 and CSS3.

Hyperlinks on the page must be rendered with a style that reflects the last user action performed.

You need to style the four anchor elements in the document.

In what order should you specify the four anchor selectors? (To answer, move the appropriate anchor selectors from the list of CSS codes to the answer area and arrange them in the correct order.)

A:link	
A:visited	
A:hover	
A:active	

Answer:

A:link	A:link
A:visited	A:visited
A:hover	A:hover
A:active	A:active

QUESTION 23

You would like to create a web application by using HTML5, JavaScript, and CSS3. Which of the following Visual Studio 2012 editions can you use? (Choose all that apply.)

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web
- E. Visual Studio Express 2012 for Windows 8

Answer: ABCD

QUESTION 24

You would like to create a Windows 8 application by using HTML5, JavaScript, and CSS3. Which of the following Visual Studio 2012 editions can you use? (Choose all that apply.)

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web
- E. Visual Studio Express 2012 for Windows 8

Answer: ABCE

QUESTION 25

You would like to create web applications and Windows 8 Windows Store applications by using HTML5, JavaScript, and CSS3, but while you're learning, you don't want to buy Visual Studio 2012.

Which of the following Visual Studio 2012 editions can you use for free to accomplish your goal?

- A. Visual Studio Professional 2012

- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web and Visual Studio Express 2012 for Windows 8

Answer: D

QUESTION 26

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

QUESTION 27

You are developing a web form that includes the following HTML.

```
<input id="txtValue" type="text" />
```

You need to ensure that a value is entered into txtValue before the form is submitted.

Which code segment should you use?

- ☐ A.

```
function validate() {  
    var name = $("#txtValue").val();  
    if (name == null || name == "")  
        alert("please enter valid value");  
    return;  
}
```
- ☐ B.

```
function validate() {  
    var value = $("#txtValue").val();  
    var regex = /^[d\.,\.*]$/;  
    if (!regex.test(value))  
        alert("please enter valid value");  
    return;  
}
```
- ☐ C.

```
function validate() {  
    var name = $("#txtValue").get();  
    if (name == null || name == "")  
        alert("please enter valid value");  
    return;  
}
```
- ☐ D.

```
function validate() {  
    var value = $("#txtValue").get();  
    var regex = /^[A-Za-z]{3}/;  
    if (!regex.test(value) || value == "")  
        alert("please enter valid value");  
    return;  
}
```

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

Answer: A

QUESTION 28

Hotspot Question

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.

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.)

```
<!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 = $("form").contents.toString();
      str = $("form").toLocaleString();
      str = decodeURI(str);

      str = $("form").serialize();
      str = decodeURIComponent(str);
      str = $("form").contents.toString();
      str = $("form").toLocaleString();
      str = decodeURI(str);

      return true;
    });
  </script>
</body>
</html>
```

Answer:

```
<!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 = $("form").contents.toString();
      str = $("form").toLocaleString();
      str = decodeURI(str);

      str = $("form").serialize();
      str = $("form").serialize();
      str = decodeURIComponent(str);
      str = $("form").contents.toString();
      str = $("form").toLocaleString();
      str = decodeURI(str);

      return true;
    });
  </script>
</body>
</html>
```

QUESTION 29

You are developing a web page that consumes a Windows Communication Foundation (WCF) service.

The page includes the following code segment.

```
var xhr = new XMLHttpRequest() ;
```

The page uses the `xhrHandler()` method to listen for changes to the request status of the WCF service calls. It uses the `xmlToJavaScript()` method to convert the response from the WCF service to a JavaScript object.

The `xhrHandler()` method must be called automatically each time the request status changes.

You need to add the event handler to the request object.

Which line of code should you use?

- A. `xhr.onCallback = xhrHandler;`
- B. `xhr.onreadystatechange = xhrHandler;`
- C. `xhr.readyState = xhrHandler;`

D. `xhr.status = xhrHandler;`

Answer: B

Explanation:

<http://mrfwebdesign.blogspot.ca/2008/11/xmlhttprequest-xhr.html>

QUESTION 30

Drag and Drop Question

You are creating a web worker for an HTML5 application.

The following tasks must be performed from within the web worker:

- Register an event listener for the web worker
- Start and stop the web worker

You need to define a function that performs the required tasks.

Which line of code should you use? (To answer, drag the appropriate line or lines of code to the correct location or locations. Each line of code may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.)

`self.postMessage('Worker: ' + data);`

`self.addEventListener('message', function(event));`

`self.attachEvent('Worker', data);`

`self.terminate();`

`self.close();`

```
var data = event.data;
switch (data.cmd) {
  case 'start':
    
    break;
  case 'stop':
    
    break;
  default:
    self.postMessage('Try again: ' + data.msg);
};
}, false);
```

Answer:


```
self.postMessage('Worker: ' + data);
```

```
self.addEventListener('message', function(event));
```

```
self.attachEvent('Worker', data);
```

```
self.terminate();
```

```
self.close();
```

```
self.addEventListener('message', function(event));
```

```
var data = event.data;
```

```
switch (data.cmd) {
```

```
  case 'start':
```

```
    self.postMessage('Worker: ' + data);
```

```
    break;
```

```
  case 'stop':
```

```
    self.close();
```

```
    break;
```

```
  default:
```

```
    self.postMessage('Try again: ' + data.msg);
```

```
};
```

```
}, false);
```

QUESTION 31

You are developing a web application that uses web workers to process images extracted from an HTML5 CANVAS object on a web page.

You need to pass messages between the web workers and the web page.

Which three types of objects should you use? (Each correct answer presents a complete solution. Choose three.)

- A. JSON
- B. Window
- C. Parent
- D. String
- E. JavaScript
- F. DOM

Answer: ADE

QUESTION 32

Drag and Drop Question

You are developing an airline reservation website by using HTML5 and JavaScript.

A page on the site allows users to enter departure and destination airport information and to search for tickets.

You have the following requirements:

- Users must be able to save information in the application about their favorite destination airport.
- The airport information must be displayed in the destination text box whenever the user returns to the page.

You need to develop the site to meet the requirements.

Which line or lines of code should you use? (To answer, drag the appropriate command or commands from the list of commands to the correct location or locations in the work area. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

`var dest = localStorage.destination;`

`localStorage.destination = dest;`

`var dest = sessionStorage.destination;`

`sessionStorage.destination = dest;`

```
<body>
  <input id="txtDest" type="text" />
  <input type="button" value="Submit"
    onclick="storeDestination('txtDest')" />
  <script>
    showDestination();
    function showDestination() {
      [ ]

      if (dest != null)
        document.getElementById("txtDest").value = dest;
    }

    function storeDestination(id) {
      var dest = document.getElementById(id).value;
      [ ]
    }
  </script>
</body>
```

Answer:

```
var dest = localStorage.destination;
```

```
localStorage.destination = dest;
```

```
var dest = sessionStorage.destination;
```

```
sessionStorage.destination = dest;
```

```
<body>
  <input id="txtDest" type="text" />
  <input type="button" value="Submit"
    onclick="storeDestination('txtDest')" />
  <script>
    showDestination();
    function showDestination() {
      var dest = localStorage.destination;

      if (dest != null)
        document.getElementById("txtDest").value = dest;
    }

    function storeDestination(id) {
      var dest = document.getElementById(id).value;
      localStorage.destination = dest;
    }
  </script>
</body>
```

QUESTION 33

You are creating a class named Sedan that must inherit from the Car class.
The Sedan class must modify the inherited fourDoor () method.
The Car class is defined as follows.

```
function Car() {}
Car.prototype.fourDoor = function () {
  alert('four doors');
}
```

Future instances of Sedan must be created with the overridden method.

You need to write the code to implement the Sedan class.

Which two code segments should you use? (Each correct answer presents part of the solution.
Choose two.)

- ☐ A.

```
Sedan.fourDoor = function ()  
{  
    alert('door count');  
}
```
- ☐ B.

```
Sedan.prototype.fourDoor = function ()  
{  
    alert('door count');  
}
```
- ☐ C.

```
function Sedan()  
{  
    Car.call(this);  
}  
Sedan.prototype = new Car();  
Sedan.prototype.constructor = Sedan;
```
- ☐ D.

```
function Sedan()  
{  
    Car.call(this);  
}  
Sedan.prototype.constructor = Sedan.create;
```

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

Answer: BC

QUESTION 34

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. <nav>
B. <article>
C.
D. <div>

Answer: B

Explanation:

http://www.w3schools.com/tags/tag_article.asp

http://www.w3schools.com/html/html5_new_elements.asp

QUESTION 35

You are developing application web form by using HTML5 and JavaScript.
You need to prevent users from submitting form data more than once.
Which code segment should you use?

- ☐ A.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(this)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(this)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```
- ☐ B.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      this.disabled = true;
    }
  </script>
</body>
```
- ☐ C.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      document.getElementById("btn" + this.name).disabled = true;
    }
  </script>
</body>
```
- ☐ D.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(me)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(me)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```

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

Answer: A

QUESTION 36

You are developing an HTML5 web application for a surveyor company that displays topographic images.

The application must:

- Display the topographic images at different zoom levels without loss of detail
- Print the topographic images without loss of detail
- Work from only one source file for each topographic image

You need to ensure that the topographic images display according to the requirements.

Which HTML5 element should you use?

- A. SVG
- B. CANVAS
- C. SAMP
- D. AREA

Answer: A

QUESTION 37

You are modifying a website.

The body of the page will be divided into two sections:

- A content section will contain blog posts and comments.
- An area on the right-hand side will contain advertisements.

The page is defined by the following HTML.

The site must conform to HTML5 standards and must use HTML5 semantic tags.

You need to ensure that the advertisements are on the rightmost section of the page.

Which tag should you use?

```
<table width="100%" border="1">
  <tr>
    <td class="header" colspan="2">
      Welcome to My Blog!
    </td>
  </tr>
  <tr>
    <td width="70%">
      ...
    </td>
    <td width="30%">
      ...
    </td>
  </tr>
  <tr>
    <td class="footer" colspan="2">
      ...
    </td>
  </tr>
</table>
```

- A. <aside>
- B. <div>
- C. <article>
- D. <footer>

Answer: A

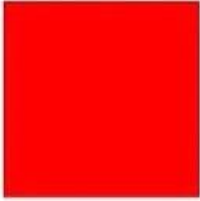
QUESTION 38

Drag and Drop Question

An HTML page has a CANVAS element.

You need to draw a red rectangle on the CANVAS element dynamically.

The rectangle should resemble the following graphic.



How should you build the code segment? (To answer, drag the appropriate line of code to the correct location. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

context.fillRect(50, 50, 100, 100);

context.fillStyle = "rgb(255, 0, 0)";

var canvas = document.getElementById('mycanvas');

var canvas = document.BeginPath();

context.fillRect(50, 50, 100, 100);

```
<!DOCTYPE html>
<html>
<body>
  <canvas id="mycanvas" width="300" height="300"></canvas>
  <script type="text/javascript">
    [ ]
    var context = canvas.getContext('2d');
    [ ]
    [ ]
  </script>
</body>
</html>
```

Answer:


```
context.fillRect(50, 50, 100, 100);
```

```
context.fillStyle = "rgb(255, 0, 0)";
```

```
var canvas = document.getElementById('mycanvas');
```

```
var canvas = document.BeginPath();
```

```
context.fillRect(50, 50, 100, 100);
```

```
<!DOCTYPE html>
<html>
<body>
  <canvas id="mycanvas" width="300" height="300"></canvas>
  <script type="text/javascript">
    var canvas = document.getElementById('mycanvas');
    var context = canvas.getContext('2d');
    context.fillStyle = "rgb(255, 0, 0)";
    context.fillRect(50, 50, 100, 100);
  </script>
</body>
</html>
```

QUESTION 39

You are developing an HTML5 page.
You need to add author and copyright information.
Which tag should you use?

- A. <aside>
- B. <header>
- C. <footer>
- D. <section>

Answer: C

QUESTION 40

You are developing an HTML5 web application and are styling text.

You need to use the text-transform CSS property.
Which value is valid for the text-transform property?

- A. Lowercase
- B. Blink
- C. Line-through
- D. 20px

Answer: A