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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

2016 NEW 70-480 Study Guides:

1. Implement and manipulate document structures and objects
2. Implement program flow
3. Access and secure data
4. Use CSS3 in applications

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QUESTION 1

You are modifying an existing web page.

The page is being optimized for accessibility.

The current page contains the following HTML.

Standards-compliant screen readers must be able to identify the links contained within the navigation structure automatically.

You need to create the navigation link structure in the page.

With which container tags should you wrap the existing markup?

```
<ul>
  <li><a href="">Home</a></li>
  <li><a href="">Sales</a></li>
  <li><a href="">Operations</a></li>
</ul>
```

- A. <navmap> </navmap>
- B. <div id="nav"> </div>
- C. <nav> </nav>
- D. <map> </map>

Answer: C

Explanation:

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

QUESTION 2

You are developing an HTML5 page that has an element with an ID of logo.

The page includes the following HTML.

```
<div>
Logo:<br>
<div id="logo">
</div>
</div>
```

You need to move the logo element lower on the page by five pixels.

Which lines of code should you use? (Each correct answer presents part of the solution.

Choose two.)

- A. `document.getElementById("logo").style.position = "relative";`
- B. `document.getElementById("logo").style.top = "5px";`
- C. `document.getElementById("logo").style.top = "-5px";`
- D. `document.getElementById("logo").style.position = "absolute";`

Answer: AB

Explanation:

http://www.w3schools.com/cssref/pr_class_position.asp

http://www.w3schools.com/cssref/pr_pos_top.asp

QUESTION 3

Hotspot 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 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 lines of code should you use? (To answer, select the appropriate options from the drop-down lists in the answer area.)

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

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

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

Answer:

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

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

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

QUESTION 4

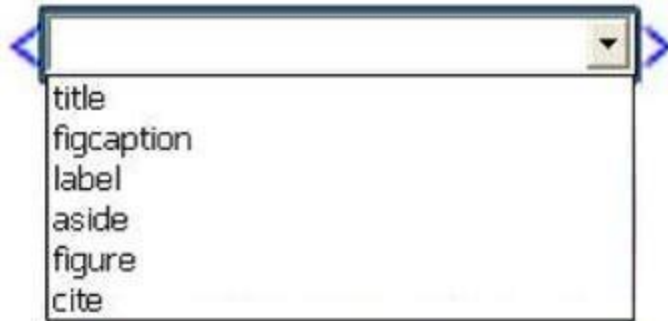
Hotspot Question

You are developing an HTML5 web application for displaying encyclopedia entries.

Each encyclopedia entry has an associated image that is referred to in the entry.

You need to display the image by using the correct semantic markup.

What should you do? (To answer, select the appropriate options from the drop-down list in the answer area.)



``

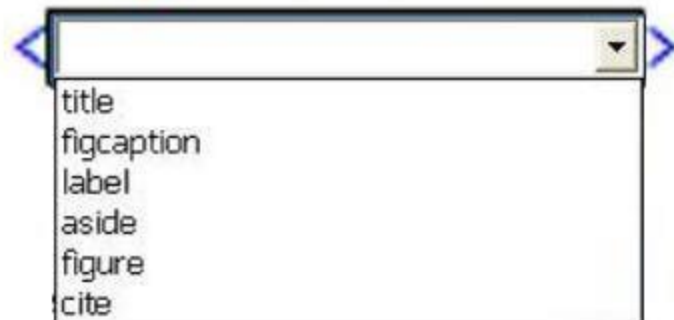
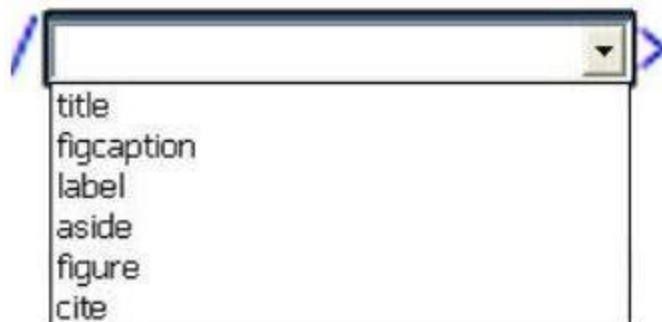
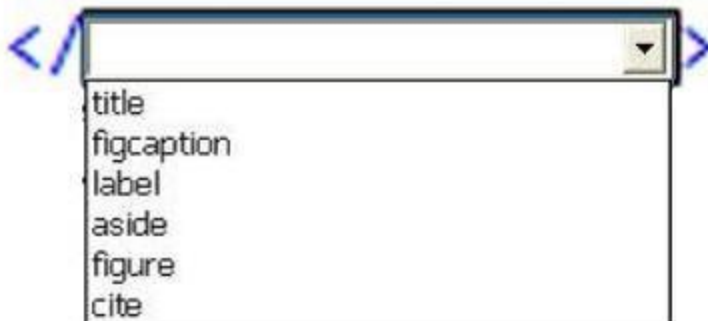
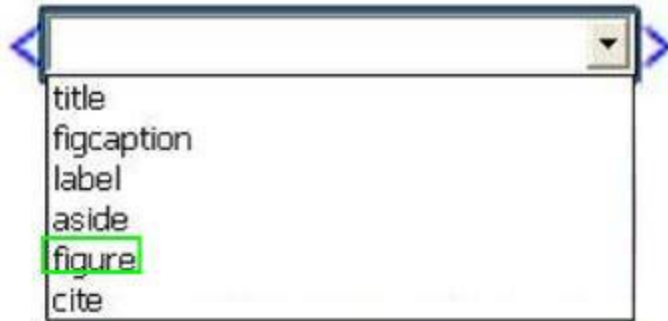


Image description



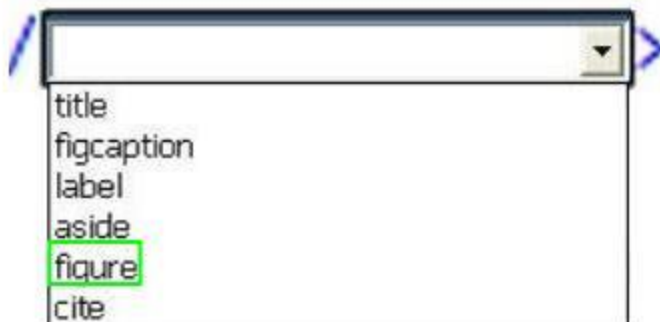
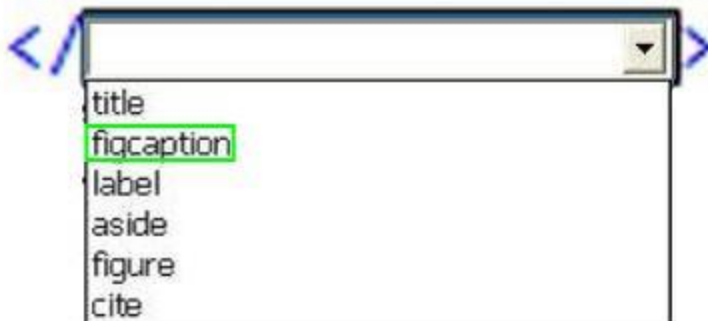
Answer:



``



Image description



QUESTION 5

You are creating a JavaScript object that represents a customer.
You need to extend the Customer object by adding the GetCommission() method.
You need to ensure that all future instances of the Customer object implement the

GetCommission() method.

Which code segment should you use?

- ☐ A. `Customer.apply.GetCommission() = function()
{
 alert('payroll');
}`
- ☐ B. `Customer.prototype.GetCommission() = function Customer.GetCommission() ()
{
 alert('payroll');
}`
- ☐ C. `Customer.GetCommission() = function () {
 alert('payroll');
}`
- ☐ D. `Customer.prototype.GetCommission() = function ()
{
 alert('payroll');
}`

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

Answer: D

QUESTION 6

You need to test the value of the following variable in JavaScript.

```
var length = "75";
```

A block of code must execute if the length equals 75 regardless of the data type.

You need to use the statement that meets this requirement.

Which lines of code should you use? (Each correct answer presents a complete solution. Choose two.)

- A. `if (length == 75)`
B. `if (length = 75)`
C. `if (length! = 75)`
D. `if (length == "75")`

Answer: BD

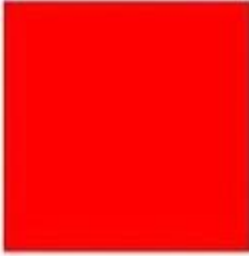
QUESTION 7

Hotspot 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, select the appropriate options from the drop-down lists in the answer area.)

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
  <canvas id="mycanvas" width="300" height="300"></canvas>
```

```
  <script type="text/javascript">
```

```
    context.fillRect(50, 50, 100, 100);  
    context.fillRect(50, 50, 100, 100);  
    context.fillStyle = "rgb(255, 0, 0)";  
    var canvas = document.getElementById("mycanvas");  
    var canvas = document.BeginPath();
```

```
    var context = canvas.getContext('2d');
```

```
    context.fillRect(50, 50, 100, 100);  
    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);  
    context.fillRect(50, 50, 100, 100);  
    context.fillStyle = "rgb(255, 0, 0)";  
    var canvas = document.getElementById("mycanvas");  
    var canvas = document.BeginPath();
```

```
  </script>
```

```
</body>
```

```
</html>
```

Answer:


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

    var context = canvas.getContext('2d');

    context.fillRect(50, 50, 100, 100);
    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);
    context.fillRect(50, 50, 100, 100);
    context.fillStyle = "rgb(255, 0, 0)";
    var canvas = document.getElementById("mycanvas");
    var canvas = document.BeginPath();

  </script>
</body>
</html>
```

QUESTION 8

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

```
<div id="dynamicForm">
  <input type="checkbox" id="myCheckbox" onclick="ShowInputBox('dynamicForm');" >
</div>
```

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.

```
function ShowInputBox(divName)
{
    var newInputDiv = document.createElement('div');
    newInputDiv.innerHTML = "<input type='text' id='newInputBox'>";
    document.getElementById(newInputDiv).appendChild(divName);
}
```
- ☐ B.

```
function ShowInputBox(divName)
{
    var newInputDiv = document.createElement('div');
    newInputDiv.innerHTML = "<input type='text' id='newInputBox'>";
    document.getElementById(divName).appendChild(newInputDiv);
}
```
- ☐ C.

```
function ShowInputBox(divName)
{
    var newInputDiv = document.createElement('div');
    newInputDiv.innerHTML = "<input type='text' id='newInputBox'>";
    document.getElementById(divName).applyElement (newInputDiv);
}
```
- ☐ D.

```
function ShowInputBox(divName)
{
    var newInputDiv = document.createElement('div');
    newInputDiv.innerHTML = "<input type='text' id='newInputBox'>";
    document.getElementById(newInputDiv).applyElement (divName);
}
```

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

Answer: B

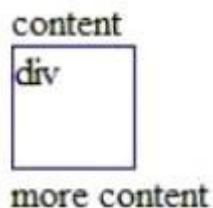
QUESTION 9

You are developing a web page by using HTML5 and C5S3.

The page includes a <div> tag with the ID set to validate.

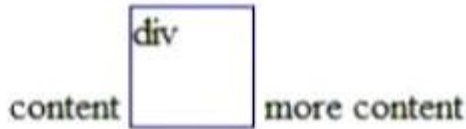
When the page is rendered, the contents of the <div> tag appear on a line separate from the content above and below it.

The rendered page resembles the following graphic.



The page must be rendered so that the <div> tag is not forced to be separate from the other content.

The following graphic shows the correctly rendered output.



You need to ensure that the page is rendered to meet the requirement.
Which line of code should you use?

- A. `document.getElementById("validate").style.display = "inline";`
- B. `document.getElementById("validate").style.margin = "0";`
- C. `document.getElementById("validate").style.padding = "0";`
- D. `document.getElementById("validate").style.display = "block";`

Answer: A

Explanation:

http://www.w3schools.com/cssref/pr_class_display.asp

QUESTION 10

You are creating a JavaScript function that displays the name of a web application.
You declare the following button element.

```
<input type="button" id= "About" value="About" />
```

When a user clicks the button, a JavaScript function named About must be called.

You need to create an event handler that calls the About function when the button is clicked.

Which two code segments can you use? (Each correct answer presents a complete solution.
Choose two.)

- ☐ A.

```
var button = document.getElementById("About");  
ScriptEngine.call(button, About());
```
- ☐ B.

```
var button = document.getElementById("About");  
ScriptEngine.bind(button, About());
```
- ☐ C.

```
var button = document.getElementById("About");  
button.addEventListener("click", About);
```
- ☐ D.

```
var button = document.getElementById("About");  
button.attachEvent("onclick", About);
```

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

Answer: CD

Explanation:

<http://help.dottoro.com/ljeuqqoq.php>

<http://help.dottoro.com/ljinxrmt.php>

QUESTION 11

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<http://www.braindump2go.com/70-480.html>

Hotspot 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 code segment should you use? (To answer, select the appropriate option from the drop-down list in the answer area.)

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

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':  


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



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



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



self.attachEvent('Worker', data);



self.terminate();



self.close();

  
    break;  
  
  case 'stop':  


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



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



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



self.attachEvent('Worker', data);



self.terminate();



self.close();

  
    break;  
  
  default:  
    self.postMessage('Try again: ' + data.msg);  
    default:  
      self.postMessage('Try again: ' + data.msg);  
  };  
}, false);
```

Answer:


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

```
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':
```

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

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

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

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

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

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

```
break;
```

```
case 'stop':
```

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

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

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

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

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

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

```
break;
```

```
default:
```

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

```
default:
```

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

```
};
```

```
}, false);
```

QUESTION 12

Hotspot Question

You are creating a function by using JavaScript.

The function accepts an object as the parameter and returns a string that identifies the data type of the object.

You have the following requirements:

- The function must return "Number" if the object is a number.
- The function must return "String" if the object is a string.
- The function must return "Unknown" if the object is neither a number nor a string.

You need to implement the function to meet the requirements.

How should you build the code segment? (To answer, select the appropriate options from the drop-down lists in the answer area.)

```
function GetObjectType(obj) {  
  (obj.constructor) {  
    default  
    switch  
    break  
    case  
  }  
  Number:  
    default  
    switch  
    break  
    case  
  return "Number";  
  ;  
    default  
    switch  
    break  
    case  
  String:  
    default  
    switch  
    break  
    case  
  return "String";  
  ;  
    default  
    switch  
    break  
    case  
  :  
    default  
    switch  
    break  
    case  
  return "Unknown";  
}  
}
```

Answer:


```
function GetObjectType(obj) {
  (obj.constructor) {
    default
    switch
    break
    case
  }
  Number:
  default
  switch
  break
  case
  return "Number";
  ;
  String:
  default
  switch
  break
  case
  return "String";
  ;
  :
  default
  switch
  break
  case
  return "Unknown";
}
}
```

QUESTION 13

You are developing an application that uses a third-party JavaScript library named doWork(). The library occasionally throws an "object is null or undefined" error with an error code of - 2146823281.

The application must:

- Extract and handle the exceptions thrown by doWork()

- Continue normal program execution if other exceptions occur
You need to implement the requirements.
Which code segment should you use?

- ☐ A.

```
if (doWork() == -2146823281) {  
    ...  
}
```
- ☐ B.

```
if (doWork() == "object is null or undefined") {  
    ...  
}
```
- ☐ C.

```
try {  
    doWork();  
} catch(e) {  
    if (e.number == -2146823281)  
        ...  
}
```
- ☐ D.

```
try {  
    doWork();  
} catch(e) {  
    if (e.message == -2146823281)  
        ...  
}
```

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

Answer: C

QUESTION 14

You are troubleshooting a web page that includes the following code. (Line numbers are included for reference only.)

What is displayed in the alert from line 11?

```
01 <!DOCTYPE html>
02 <html lang="en" xmlns="http://www.w3.org/1999/xhtml">
03 <head>
04   <meta charset="utf-8" />
05   <title></title>
06   <script>
07     document.addEventListener("DOMContentLoaded", function () {
08       var elButton = document.getElementById("myButton");
09       var elDiv = document.getElementById("myDiv");
10       elButton.addEventListener("click", function () {
11         alert(this.type);
12       }, false);
13     }, false);
14   </script>
15 </head>
16 <body>
17   <div id="myDiv">Test</div>
18   <input type="button" id="myButton" value="Click Me" />
19 </body>
20 </html>
```

- A. Div
- B. Function
- C. Button
- D. Document

Answer: C

QUESTION 15

You are developing an HTML5 web application and are styling text.
You need to use the text-transform CSS property.
Which values are valid for the text-transform property?

- A. hidden
- B. blink
- C. capitalize
- D. line-through

Answer: C

Explanation:

http://www.w3schools.com/cssref/pr_text_text-transform.asp
none, capitalize, uppercase, lowercase and inherit

Example

Transform text in different elements:

- h1 {text-transform:uppercase;}
- h2 {text-transform:capitalize;}
- p {text-transform:lowercase;}

QUESTION 16

You are developing a page that includes text and an illustration.
The web page resembles the following image.

ris nisi ut aliquip ex ea commodo consequat. Duis aute i
 velit esse cillum dolore eu fugiat nulla pariatur. Excepte
 sunt in culpa
 arund und
 distinct. Nam
 se civiuda. Et
 libidig met,
 na aliquam
 s nostrud
 voluptate velit
 unde ad eos et accusam dignissim qui blandit est praes
 t occae. Et harund dereud facilis est er expedit distinct.
 est congue nihil impedit doming id Lorem ipsum dolor



qui officia di
 lookum like
 liber te cons
 tam neque pi
 consectetur s
 males one w
 exercitatio
 esse cillum

You have the following requirements:

- The illustration must be in the center of the page.
- The text must flow around the left, right, top, and bottom of the illustration.

You need to ensure that the layout of the web page meets the requirements.

Which line of code should you use?

- A. `-ms-wrap-side: both;`
- B. `-ms-wrap-side: clear;`
- C. `-ms-wrap-side: maximum;`
- D. `-ms-wrap-side: auto;`

Answer: A

Explanation:

[http://msdn.microsoft.com/en-us/library/ie/hh673558\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/ie/hh673558(v=vs.85).aspx)
<http://dev.w3.org/csswg/css3-exclusions/>

QUESTION 17

Hotspot Question

You are developing a web page that will be accessed from various types of devices.

You have the following requirements:

- The appropriate display resolution must be selected dynamically based on the device connecting to the page.
- Mobile devices with a maximum width of 480 pixels must be able to use the page.

You need to ensure that the page displays correctly on any device.

How should you build the code? (To answer, select the appropriate options from the drop- down lists in the answer area.)

```
@media screen and (min-width:200px) and (max-width:480px)
{
    screen and (min-width:200px) and (max-width:480px)
    size and (min-width:200px) and (max-width:480px)
    screen and (min-width:480px)
    size and (min-width:480px)

    #navbar {
        float: none;
        width: 200px;
    }
}
@media screen and (min-width:200px) and (max-width:480px)
{
    screen and (min-width:200px) and (max-width:480px)
    size and (min-width:200px) and (max-width:480px)
    screen and (min-width:480px)
    size and (min-width:480px)

    #navbar {
        float: left;
        width: 500px;
    }
}
```

Answer:

```
@media screen and (min-width:200px) and (max-width:480px)
{
    screen and (min-width:200px) and (max-width:480px)
    size and (min-width:200px) and (max-width:480px)
    screen and (min-width:480px)
    size and (min-width:480px)

    #navbar {
        float: none;
        width: 200px;
    }
}
@media screen and (min-width:200px) and (max-width:480px)
{
    screen and (min-width:200px) and (max-width:480px)
    size and (min-width:200px) and (max-width:480px)
    screen and (min-width:480px)
    size and (min-width:480px)

    #navbar {
        float: left;
        width: 500px;
    }
}
```

QUESTION 18

Drag and Drop Question

You are developing a website that has many web pages with hyperlinks to other sites.

You need to ensure that if a hyperlink contains an image, the linked web page opens in a new window.

Which jQuery code segment or segments should you use? (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.)

`$("#a img").each(function () {``$(this).parent().attr('target', '_blank')``$("#a").each(function () {``$(this).attr('target', '_blank')`**Answer Area**

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
  <script src="http://code.jquery.com/jquery-latest.js">
  </script>
</head>
<body>
  <a href="http://www.microsoft.com">
    
  </a>
</body>
<script>
  $(document).ready(function () {
    [ ]
    [ ]
  });
</script>
</html>
```

Answer:


```
$("a img").each(function () {  
$(this).parent().attr('target', '_blank')  
$("a").each(function () {  
$(this).attr('target', '_blank')
```

Answer Area

```
<!DOCTYPE html>  
<html>  
<head>  
  <title></title>  
  <script src="http://code.jquery.com/jquery-latest.js">  
  </script>  
</head>  
<body>  
  <a href="http://www.microsoft.com">  
      
  </a>  
</body>  
<script>  
  $(document).ready(function () {  
    $("a img").each(function () {  
      $(this).parent().attr('target', '_blank')  
    });  
  });  
</script>  
</html>
```

QUESTION 19

Drag and Drop Question

You are developing a web page that will be accessed from various types of devices.

You have the following requirements:

- The appropriate display resolution must be selected dynamically based on the device that is connecting to the page.
- Mobile devices with a maximum width of 480 pixels must be able to use the page.

You need to ensure that the page displays correctly on any device.

How should you build the code? (To answer, drag the appropriate media statement to the correct location. Each media statement 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.)

screen and (min-width:200px) and (max-width:480px)

size and (min-width:200px) and (max-width:480px)

screen and (min-width:480px)

size and (min-width:480px)

```
@media  
{  
  
    #navbar {  
        float: none;  
        width: 200px;  
    }  
}  
@media  
{  
  
    #navbar {  
        float: left;  
        width: 500px;  
    }  
}
```

Answer:

screen and (min-width:200px) and (max-width:480px)

size and (min-width:200px) and (max-width:480px)

screen and (min-width:480px)

size and (min-width:480px)

```
@media screen and (min-width:200px) and (max-width:480px)  
{  
  
    #navbar {  
        float: none;  
        width: 200px;  
    }  
}  
@media screen and (min-width:480px)  
{  
  
    #navbar {  
        float: left;  
        width: 500px;  
    }  
}
```

QUESTION 20

[70-480 Dumps](#)

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<http://www.braindump2go.com/70-480.html>

You are developing a web page that has a group of H1 and H2 elements.

The page also includes a CSS class named underlineMe.

You have the following requirements:

- The font color of all H1 and H2 elements must be changed to red.
- The CSS class underlineMe must be applied to all H1 and H2 elements.

You need to update the web page to meet the requirements.

Which code segment should you use?

- ☐ A. `$(":head").addClass('underlineMe');`
`$(":head").css({ color: 'red' });`
- ☐ B. `$("h1").css({ color: 'red' });`
`$("h1").addClass('underlineMe');`
- ☐ C. `$("h2").css({ color: 'red' });`
`$("h2").addClass('underlineMe');`
- ☐ D. `$(":header").css({ color: 'red' });`
`$(":header").addClass('underlineMe');`

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

Answer: D

Explanation:

http://www.w3schools.com/jquery/sel_header.asp