

- **Vendor: Microsoft**
- **Exam Code: 70-480**
- **Exam Name: Programming in HTML5 with JavaScript and CSS3 Exam**
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QUESTION 324

You have the following HTML markup within a page that lists the sessions of a conference. (Line numbers are included for reference only.)

```
01 <div class="sessionlist">
02 <h2>Here are our highlighted sessions</h2>
03 <div class="page-section session">
04 <h3 class="sessiontitle">
05 Controlling Manufacturing Costs
06 </h3>
07 <p class="sessionabstract">
08 In this session, we will see how to control manufacturing costs during
09 your product build.
10 </p>
11 <div class="page-section session">
12 <h3 class="sessiontitle">
13 Applying the Finish
14 </h3>
15 <p class="sessionabstract">
16 In this session, we will look at best practices on how to ensure a quality
17 product.
18 </p>
19 </div>
```

You need to use HTML5 to maximize Search Engine Optimization (SEO) for the page. Which two changes should you make to the markup? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Replace the div element at lines 03 and 11 with <div aria-level="2" class="article">.
- B. Replace the div element at line 01 with <div class="section sessionlist">.
- C. Replace the div element at lines 03, 10, 11, and 18 with article elements.
- D. Replace the div element at line 01 with <div aria-level="1" class="page-section sessionlist">.
- E. Replace the div element at line 03 with <div class="article">.
- F. Replace the div element at lines 01 and 19 with a section element.

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Answer: CF

Explanation:

<https://stackoverflow.com/questions/6939864/what-is-the-difference-between-section-and-div>

QUESTION 325

You have the following markup. (Line numbers are included for reference only.)

```
01 <!DOCTYPE html>
02 <html>
03 <head>
04   <style>
05     div.myclass {
06
07       top: 0;
08       background-color: yellow;
09       border: 5px double red;
10       padding: 10px;
11     }
12   </style>
13 </head>
14 <body>
15   <div class="myclass">Welcome to the Site!</div>
16   <p>Lorem ipsum dolor sit amet,consectetur adipiscing elit.
Vivamus voluptat felis elit, at tincidunt magna eleifend eu. Corabitur
odio nunc, lobortis a consequat vitae, convallis vel ipsum. Nunc
vehicula erat in sollicitudin sollicitudin. Suspendisse ullamcorper
purus eu massa congue aliquam. Nunc a tellus fermentum, gravida mi at,
convallis justo. Sed sollicitudin congue odio, nec imperdiet tortor
pulvinar ut. Fusce viverra, est ut suscipit finibus, nisi ligula ornare
risus, eu ultricies velit ante eu odio. Morbi vehicula suscipit varius.
Etiam sit amet lacus gravida, dictum mi id, luctus tellus. Proin
fermentum euismod justo sit amet feugiat. Aliquam scelerisque leo sit
amet lacus ultrices sagittis. Phasellus et sodales mauris.</p>
17 </body>
18 </html>
```

You need to ensure that the `div` element remains visible while scrolling.

Which two lines of markup can add at line 06 to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. `position: sticky;`
- B. `position: fixed;`
- C. `position: absolute;`
- D. `position: relative;`
- E. `position: static;`

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

Answer: AB

Explanation:

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

QUESTION 326

You are developing a page by using HTML and CSS3.

You need the page to display two columns of text. The columns must resize automatically based on the size of the display, but each column must be at least 200px wide.

Which CSS markup should you use?

- A.

```
article {
  columns: 2 200px;
}
```
- B.

```
article {
  columns: 1;
  width: 200px;
  columns: 2;
  width: 200px;
}
```
- C.

```
article {
  column-count: 1;
  min-width: 200px;
  column-count: 2;
  min-width: 200px;
}
```
- D.

```
article {
  column-count: 2;
  flex-basis: 200px;
}
```

Answer: A

Explanation:

Use column-count and column-width together for the best control over CSS columns. You can declare each property or use the shorthand columns.

When both properties are declared, column-count is the maximum number of columns and column-width is the minimum width for those columns.

References:

<https://css-tricks.com/guide-responsive-friendly-css-columns/>

QUESTION 327

You are creating a webpage by using HTML5 and CSS3.

You need to ensure that the maximum width of the page is set to 500px if any of the following conditions are true:

- The media type of the device is a screen.
- The width of the display is less than 680px.
- The orientation of the display is portrait mode.

Which CSS markup should you use?

- A.

```
@media (max-width: 680px), screen, (orientation: portrait) { body {
  max-width: 500px;
}
```
- B.

```
@media (max-resolution: 680px), screen, (orientation: portrait) { body {
  max-width: 500px;
}
```
- C.

```
viewport[max-width=680px][zoom=1][orientation="portrait"] { max-width: 500px;
}
```
- D.

```
viewport[max-width=680px] {max-width: 500px;}
@media screen {body {max-width: 500px;}}
viewport[orientation="portrait"] {max-width: 500px;}
```

Answer: A

Explanation:

https://www.w3schools.com/cssref/css3_pr_mediaquery.asp

QUESTION 328

You have the following markup.

```
<div id="yellow" style="background-color:yellow">My Yellow Content</div>
<div id="blue" style="background-color:blue">My Blue Content</div>
<div id="red" style="background-color:red">My Red Content</div>
```

You need to change the markup programmatically to display as follows:



Which line of code should you use?

- A. `$("#blue").css("display", "hidden");`
- B. `$("#blue").css("display", "none");`
- C. `document.getElementById("blue").style.display = "none"`
- D. `document.getElementById("blue").style.visibility = "hidden"`

Answer: B

Explanation:

https://www.w3schools.com/CSSref/pr_class_display.asp

QUESTION 329

You need to store more than 1 MB of key/value pairs on a local client computer. The solution must meet the following requirements:

- The data must persist even if the user of the computer works offline.
- The solution must use the least amount of development effort.

What should you use?

- A. the sessionStorage API
- B. the File API
- C. the localStorage API
- D. cookies

Answer: C

Explanation:

The read-only localStorage property allows you to access a Storage object for the Document's origin; the stored data is saved across browser sessions. localStorage is similar to sessionStorage, except that while data stored in localStorage has no expiration time, data stored in sessionStorage gets cleared when the page session ends -- that is, when the page is closed.

References:

<https://developer.mozilla.org/en-US/docs/Web/API/Window/localStorage>

QUESTION 330

Drag and Drop Question

You have the following code.

```
function LogData(id, stackTrace, exceptionId)
{
    this.id = id;
    this.stacktrace = stackTrace;
    this.exceptionId = exceptionId;
}
LogData.Target 1.newFunction = Target 2 () {
    return 'Stacktrace: ' + Target 3.stackTrace +
        'ExId: ' + Target 4.exceptionId;
}
```

You need to add a function that meets the following requirements:

- Extends the LogData functionality
- Applies to all of the instances of LogData
- Returns the stackTrace and the exceptionId

How should you complete this code? To answer, drag the appropriate code elements to the correct targets. Each code element 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.

NOTE: Each correct selection is worth one point.

Code elements	Answer Area
exceptionId	Target 1: <input style="width: 150px; height: 25px;" type="text"/>
function	Target 2: <input style="width: 150px; height: 25px;" type="text"/>
Logdata	Target 3: <input style="width: 150px; height: 25px;" type="text"/>
prototype	Target 4: <input style="width: 150px; height: 25px;" type="text"/>
ready	
return	
stackTrace	
this	

Answer:

Code elements	Answer Area
exceptionId	Target 1: prototype
function	Target 2: function
Logdata	Target 3: this
prototype	Target 4: this
ready	
return	
stackTrace	
this	

QUESTION 331

Drag and Drop Question

You have a web API that responds to a GET request and returns a JSON object in the form of { "FirstName": "Ben", "LastName": "Smith" }.

You need to create a page by using JavaScript. The page must contain a button that requests the JSON data. The data must be displayed in a p tag that has an id of person.

How should you complete the JavaScript code? To answer, drag the appropriate values to the correct targets. Each value 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.

NOTE: Each correct selection is worth one point.

Code elements

-
-
-
-
-
-
-
-

Answer Area

```

<!DOCTYPE html>
<html>
<body>
  <button type="button" onclick="getPerson()">get Person</button>
  <br/>
  <p id="person"></p>
  <script>
    function getPerson() {

      var var1 = new  ();

      var1.open("GET", "/api/person", true);

      var1.responseType = "  ";

      var1.onload = function (e) {
        var firstName = var1.response.Firstname;
        var lastname = var1.response.LastName;
        document.querySelector("#person").textContent =
          "Mr. " + firstName + " " + lastname;
      };
      var1.send();
    }
  </script>
</body>
</html>

```

Answer:

Code elements

-
-
-
-
-
-

Answer Area

```

<!DOCTYPE html>
<html>
<body>
  <button type="button" onclick="getPerson()">get Person</button>
  <br/>
  <p id="person"></p>
  <script>
    function getPerson() {

      var var1 = new  ();

      var1.open("GET", "/api/person", true);

      var1.responseType = "  ";

      var1.onload = function (e) {
        var firstName = var1.response.Firstname;
        var lastname = var1.response.LastName;
        document.querySelector("#person").textContent =
          "Mr. " + firstName + " " + lastname;
      };
      var1.send();
    }
  </script>
</body>
</html>

```

QUESTION 332

Hotspot Question

You have the following markup.

```

<style>
div {
  width: 200px;
  height: 50px;
  border: 1px dotted black;
  overflow: auto;
  display: flex;
  flex-direction: column;
  flex-wrap: wrap;
}
</style>
<div></div>

```

For each of the following statements, select Yes if the statement is true. Otherwise, select False.
 NOTE: Each correct selection is worth one point.

Statements	Yes	No
If the content of the <code>div</code> element is wider than 200px, the <code>div</code> element will display a horizontal scroll bar.	<input type="radio"/>	<input type="radio"/>
If the content of the <code>div</code> element has a height that is greater than 50px, the <code>div</code> element will resize automatically to display all the content.	<input type="radio"/>	<input type="radio"/>
If multiple <code>container</code> elements are added to the <code>div</code> element, the <code>container</code> elements will display as rows if they are larger than the <code>div</code> element.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
If the content of the <code>div</code> element is wider than 200px, the <code>div</code> element will display a horizontal scroll bar.	<input type="radio"/>	<input checked="" type="radio"/>
If the content of the <code>div</code> element has a height that is greater than 50px, the <code>div</code> element will resize automatically to display all the content.	<input type="radio"/>	<input checked="" type="radio"/>
If multiple <code>container</code> elements are added to the <code>div</code> element, the <code>container</code> elements will display as rows if they are larger than the <code>div</code> element.	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 333

Drag and Drop Question

You have a webpage that includes the following markup:


```
<!DOCTYPE html>
<html>
  <head>
    <script>
    </script>
  </head>
  <body onload="readXMLFile()" >
    <div id="to"></div>
    <div id="from"></div>
    <div id="message"></div>
  </body>
</html>
```

An XML file named message.xml resides on a web server. The structure of the file is as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<messages>
  <to>JHartono@contoso.com</to>
  <from>JDow@contoso.com</from>
  <message>Meeting is cancelled</message>
</messages>
```

You are developing a code-based solution to parse the contents of the XML file and display the information on the page.

The solution must work on both modern and older browsers.

You need to display the information from the XML file onto the page.

In which order should you arrange the code blocks to develop the solution? To answer, move all code blocks from the list of code blocks to the answer area arrange them in the correct order.

NOTE: Each correct selection is worth one point.

Code segments

```
function readXMLFile() {
xmlDoc = xmlhttp.responseXML;
else {
xmlhttp = new ActiveXObject
('Microsoft.XMLHTTP');
xmlhttp = new XMLHttpRequest();
if (window.XMLHttpRequest) {
xmlhttp.open('GET', 'message.xml',
false);
xmlhttp.send();
document.getElementById('to'), innerHTML =
xmlDoc.getElementsByTagName('to')
[0].childNodes[0].nodeValue;
document.getElementById('from').innerHTML =
xmlDoc.getElementsByTagName('from')
[0].childNodes[0].nodeValue;
document.getElementById('message').innerHTML =
document.getElementsByTagName('body')
[0].childNodes[0].nodeValue;
}
```

Answer Area

Answer:

Code segments

```
function readXMLFile() {
if (window.XMLHttpRequest) {
xmlhttp = new XMLHttpRequest();
else {
xmlhttp = new ActiveXObject
('Microsoft.XMLHTTP');
xmlhttp.open('GET', 'message.xml',
false);
xmlhttp.send();
xmlDoc = xmlhttp.responseXML;
document.getElementById('to'), innerHTML =
xmlDoc.getElementsByTagName('to')
[0].childNodes[0].nodeValue;
document.getElementById('from').innerHTML =
xmlDoc.getElementsByTagName('from')
[0].childNodes[0].nodeValue;
document.getElementById('message').innerHTML =
document.getElementsByTagName('body')
[0].childNodes[0].nodeValue;
}
```

Answer Area

```
function readXMLFile() {
if (window.XMLHttpRequest) {
xmlhttp = new XMLHttpRequest();
else {
xmlhttp = new ActiveXObject
('Microsoft.XMLHTTP');
xmlhttp.open('GET', 'message.xml',
false);
xmlhttp.send();
xmlDoc = xmlhttp.responseXML;
document.getElementById('to'), innerHTML =
xmlDoc.getElementsByTagName('to')
[0].childNodes[0].nodeValue;
document.getElementById('from').innerHTML =
xmlDoc.getElementsByTagName('from')
[0].childNodes[0].nodeValue;
document.getElementById('message').innerHTML =
document.getElementsByTagName('body')
[0].childNodes[0].nodeValue;
}
```

QUESTION 334

Hotspot Question

You have the following code.

```

<script>
window.onload = function () {
  var taxRate = 0.1;
  $.ajax({
    type: "GET",
    url: "data/fruit.xml",
    datatype: "xml",
    success: function (data) {
      $(data).find("Fruit").each(
        function () {
          var fruitName = $(this).attr('name');
          var fruitPrice = $(this).attr('price');
          DisplayPriceWithTax(DisplayMerchandise, fruitName, fruitPrice, taxRate);
        }
      );
    }
  });
}
function DisplayPriceWithTax(DisplayFunction, name, price, taxRate) {
  var priceWithTax = price * (1 + taxRate);
  priceWithTax = parseFloat(Math.round(priceWithTax * 100) / 100);
  DisplayFunction(name, priceWithTax);
}
function DisplayMerchandise(itemName, price) {
  alert(itemName + ": $" + price);
}
</script>

```

For each of the following statements, select yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
The code implements a callback pattern.	<input type="radio"/>	<input type="radio"/>
The DisplayPriceWithTax function is called as soon as the Fruit.xml file is changed.	<input type="radio"/>	<input type="radio"/>
The DisplayPriceWithTax function will be called only if the Fruit.xml file exists.	<input type="radio"/>	<input type="radio"/>

Answer:

Statement	Yes	No
The code implements a callback pattern.	<input checked="" type="radio"/>	<input type="radio"/>
The DisplayPriceWithTax function is called as soon as the Fruit.xml file is changed.	<input type="radio"/>	<input checked="" type="radio"/>
The DisplayPriceWithTax function will be called only if the Fruit.xml file exists.	<input checked="" type="radio"/>	<input type="radio"/>