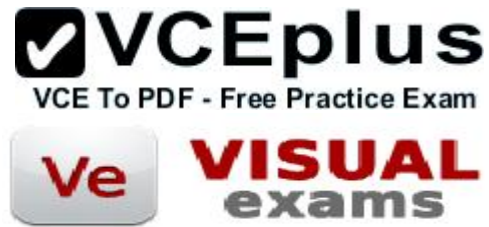


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**Microsoft 70-480 Exam Questions & Answers**

**Exam Name: Programming in HTML5 with JavaScript and CSS3**

## Exam A

### QUESTION 1

You are validating user input by using JavaScript and regular expressions. A group of predefined regular expressions will validate two input fields:

- An email address in a function named validateEmail
- A nine-digit number that allows optional hyphens after the second and fifth character in a function named validateSSN

You need to use the correct expression to validate the input. Which expression should you insert into each function? (To answer, drag the appropriate regular expression statement to the correct location. Each regular expression 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.)

```
/^\d{1,2}(\-|\/|\.)\d{1,2}\1\d{4}$/;
```

```
/^[0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;
```

```
/^[0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
```

```
/^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;
```

```
/^[0-9]{3}+@[a-zA-Z0-9.-]+\.[0-9]{2,4}$/;
```

#### Answer Area

```
function validateSSN(userinput) {  
    var ssnPattern =  
          
    return ssnPattern.test(userinput);  
}
```

```
function validateEmail(userinput){  
    var emailPattern =  
          
    return emailPattern.test(userinput);  
}
```

A. (First Text Box)Expression-B, (Second Text Box)Expression-D By CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

```
/^\d{1,2}(\-|\/|\.)\d{1,2}\1\d{4}$/;
```

```
/^[0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
```

```
/^[0-9]{3}+@[a-zA-Z0-9.-]+\.[0-9]{2,4}$/;
```

=====

### Answer Area

```
function validateSSN(userinput) {  
  var ssnPattern =  
    /^[0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;  
  
  return ssnPattern.test(userinput);  
}
```

```
function validateEmail(userinput){  
  var emailPattern =  
    /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;  
  
  return emailPattern.test(userinput);  
}
```

**QUESTION 2**

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

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

A customer must enter a valid age in the text box prior to submitting the form.

You need to add validation to the control.

Which code segment should you use?

- ☐ A. 

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

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

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

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 3**

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 that is used in the email address. You need to implement this functionality.

How should you develop the form? (To answer, drag the appropriate code segment to the correct target or targets in the answer area. Each code segment 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.)



```
str = $("form").serialize();
```

```
str = decodeURIComponent(str);
```

```
str = $("form").contents.toString();
```

```
str = $("form").toLocaleString();
```

```
str = decodeURI(str);
```

```
<!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;
      (function() {
        str = $("form").serialize();
        str = decodeURIComponent(str);
        str = $("form").contents.toString();
        str = $("form").toLocaleString();
        str = decodeURI(str);
      })();
    });
  </script>
</body>
</html>
```

A. (First Text Box)Expression-A, (Second Text Box)Expression-B by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

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

**QUESTION 4**

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

```
<label id="txtValue"></label>
```

Information from the web form is submitted to a web service. The web service returns the following JSON object.

```
{  
  "Confirmation": "1234", "FirstName": "John"}  
}
```

You need to display the Confirmation number from the JSON response in the txtValue label field.

Which JavaScript code segment should you use?

- A. `$("#txtValue").val = (JSONObject.Confirmation);`
- B. `$("#txtValue").val(JSONObject.Confirmation);`
- C. `$("#txtValue").text = (JSONObject.Confirmation);`
- D. `$("#txtValue").text(JSONObject.Confirmation);`

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 5**

You are developing an HTML5 web application that displays the current temperature whenever a button is clicked. The following code provides this functionality.

```
function Loader() {  
    this.status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        status = newStatus;  
    };  
}  
  
var loader = new Loader();  
  
$(function () {  
    $("#loadTemp").click(function (eventData) {  
        loader.temp = loadTemp();  
        loader.updateStatus("done");  
    });  
});
```

When the temperature is loaded, the status property on the loader instance does not change. You need to ensure that the status property on the loader instance is updated when the temperature is loaded. Which code segment should you use to replace the Loader function?

- ☐ A. 

```
function Loader() {  
  this.status = "ready";  
  this.temp = 50;  
  this.updateStatus = function (newStatus) {  
    this.status = newStatus;  
  };  
}
```
- ☐ B. 

```
function Loader() {  
  this.prototype.status = "ready";  
  this.temp = 50;  
  this.updateStatus = function (newStatus) {  
    this.status = newStatus;  
  };  
}
```
- ☐ C. 

```
function Loader() {  
  status = "ready";  
  this.temp = 50;  
  this.updateStatus = function (newStatus) {  
    status = newStatus;  
  };  
}
```
- ☐ D. 

```
function Loader() {  
  window.status = "ready";  
  this.temp = 50;  
  this.updateStatus = function (newStatus) {  
    status = newStatus;  
  };  
}
```

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 6

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 7**

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) {  
  default (obj.constructor) {  
    default Number:  
      return "Number";  
    default ;  
    default String:  
      return "String";  
    default ;  
    default :  
      return "Unknown";  
  }  
}
```

```
function GetObjectType(obj) {
```

```
    default (obj.constructor) {
```

default  
switch  
break  
case

```
    default Number:
```

default  
switch  
break  
case

```
        return "Number";
```

```
    default ;
```

default  
switch  
break  
case

```
    default String:
```

default  
switch  
break  
case

```
        return "String";
```

```
    default ;
```

default  
switch  
break  
case



A. Switch -> Case -> Break -> Case -> Break -> Default. by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

```
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";
}
}
```

**QUESTION 8**

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")

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 9**

You are developing a web application that consumes services from a third-party application. A web worker processes the third-party application requests in the background. A page in the application instantiates the web worker process. You need to establish two-way communications between the web worker process and the page. Which two actions will achieve this goal? (Each correct answer presents a complete solution. Choose two.)

- A. From the web worker, use the onconnect event handler of the main page to capture events.
- B. From the main page, use the onmessage event handler of the web worker to capture events.
- C. From the web worker, use the onmessage event handler of the main page to capture events.
- D. From the main page, use the onconnect event handler of the web worker to capture events.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

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);" />`

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 11

You are developing an HTML5 page that includes several paragraph elements.

You have the following requirements:

- Add a drop shadow that is one inch below the text in the paragraph
- Set the radius of the drop shadow to five pixels

You need to style the paragraphs to meet the requirements. Which CSS style should you use?

- A. `text-shadow: 72pt 0pt 5pt`
- B. `text-shadow: 5px 1in 0px;`
- C. `text-shadow: 72pt 5em 0px`
- D. `text-shadow:72pt 0em 5px;`

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 12

You are developing a web page. You create a grid layout by using the following CSS segment.

```
#myGrid {  
  display: -ms-grid;  
  background: gray;  
  -ms-grid-columns: 100px 100px;  
  -ms-grid-rows: 50px 50px 50px;  
}
```

You have the following requirements:

- You must place content in the first column of the second row.
- The content must span two columns.

You need to ensure that the style of the grid meets the requirements. Which CSS segment should you use?

- ☐ A. `#itemSpan {  
    -ms-grid-row: 2;  
    -ms-grid-column: 1;  
    -ms-grid-column-span: 2  
}`
- ☐ B. `#itemSpan {  
    -ms-grid-row: 2;  
    -ms-grid-column: 1;  
    -ms-grid-column-span: initial  
}`
- ☐ C. `#itemSpan {  
    -ms-grid-row: 2;  
    -ms-grid-column: 1;  
    -ms-grid-column-width: 2;  
}`
- ☐ D. `#itemSpan {  
    -ms-grid-row: 2;  
    -ms-grid-column: 1;  
    -ms-grid-column-span: inherit  
}`

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 13**

You are creating an application by using HTML5 and CSS3. The styles for the pages are derived from five style sheets. The styles are not being applied correctly to the pages in the application. You need to apply the styles from highest priority to lowest priority. In which order should you use the five style sheets? (To answer, move the style sheet types from the list of style sheet types to the answer area and arrange them in the correct order.)

user important style sheets	
user normal style sheets	
author normal style sheets	
user agent style sheets	
author important style sheets	

A. \*\*\*\*\* user important -> author important -> author normal -> user normal -> user agent (From Highest to Lowest Priority) by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 14**

You are developing a web page by using HTML5. You have the following requirements:

- An H1 element must be placed at the top left corner of the page.
- The size and location of the H1 element must not change if additional elements are added to the page.

You need to position the H1 element on the page. Which CSS3 style should you use?

☐ A. 

```
h1
{
  position:absolute;
  left:0px;
  top:0px;
}
```

☐ C. 

```
h1
{
  position:static;
  left:100%;
  top:100%;
}
```

☐ B. 

```
h1
{
  position:absolute;
  left:100%;
  top:100%;
}
```

☐ D. 

```
h1
{
  position:static;
  left:0px;
  top:0px;
}
```

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**Exam B****QUESTION 1**

You are styling a box object on a page by using CSS3. You need to set the transparency of the object to 50%. Which two CSS3 styles will achieve the goal? (Each correct answer presents a complete solution. Choose two.)

☐ A. 

```
.Box {  
    background: rgb(255,0,0);  
    backface-visibility: hidden;  
}
```

☐ B. 

```
.Box {  
    background: rgb(255,0,0);  
    background: rgba(255,0,0,.5);  
}
```

☐ C. 

```
.Box {  
    background: rgb(255,0,0);  
    opacity: 0.5;  
}
```

☐ D. 

```
.Box {  
    background: rgb(255,0,0);  
    background-color: #fff;  
}
```

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

**Correct Answer:** BC

**Section:** (none)

## Explanation

### Explanation/Reference:

#### QUESTION 2

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

```
@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;
}
```

A. (First Dropdown Box)Expression-A, (Second Dropdown Box)Expression-C by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

```
@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 3

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>
```

A. (First Text Box)Expression-A, (Second Text Box)Expression-B by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

```
$("#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 4



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



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;`

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

## QUESTION 5

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

A. (First Text Box)Expression-A, (Second Text Box)Expression-C by CPP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

size and (min-width:200px) and (max-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 6**

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 have the following requirements:

- The main content section must be set to two times the width of the advertising sections.
- The layout must be specified by using the CSS3 flexible box model.

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 7**

You are developing an HTML5 page. The page includes the following code.

```
<p id="outer" style="position:relative">  
  <p id="inner"></p>  
</p>
```

The inner paragraph must be exactly 15 pixels from the top left corner of the outer paragraph. You set the left style for the inner paragraph to the appropriate value. You need to set the position property of the inner paragraph. Which value should you use?

- A. absolute
- B. static
- C. fixed
- D. relative

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

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

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

If a customer enters a value in the input field, then it must be a numeric value. You need to add validation to the input field. Which HTML should you use?

- A. `<input id="txtValue" type="text" pattern="/#" />`
- B. `<input id="txtValue" type="number" />`
- C. `<input id="txtValue" type="integer" />`
- D. `<input id="txtValue" type="text" required="required"/>`

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 9**

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 10**

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>

```

A. (First Dropdown Box)Expression-A, (Second Dropdown Box)Expression-B by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



```
<!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 11**

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 `xhrHandlerQ` 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;`

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 12**

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

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

You need to develop the form so that customers can enter only a valid country code consisting of three English alphabet characters. Which code segment should you use?

- ☐ A. 

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

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

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

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

A. Option A

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 13

You are developing an application that reads information from a file.

The application must:

- Execute a block of code if there is an error accessing the file
- Execute a second block of code whether or not there is an error accessing the file

You need to ensure that the error handling requirements are met. Which three statements should you implement in sequence? (To answer, move the appropriate statements from the list of actions to the answer area and arrange them in the correct order.)



A. I would say answer is try -> catch -> finally by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 14

You are developing an online shopping application that accepts credit cards for payment.

If the credit card number is invalid, the application must:

- Generate an error
- Assign "200" to the error number
- Assign "Invalid" to the error description

You need to write the code that meets the requirements. How should you write the code? (To answer, select the appropriate option from the drop-down list in the answer area.)

Work Area

throw

new

throw

(

throw

,

throw

)

:

throw

"Invalid"

200

Error

break

throw

"Invalid"

200

Error

break

throw

"Invalid"

200

Error

break

throw

"Invalid"

200

Error

break

Work Area

throw

new

throw

(

throw

,

throw

)

:

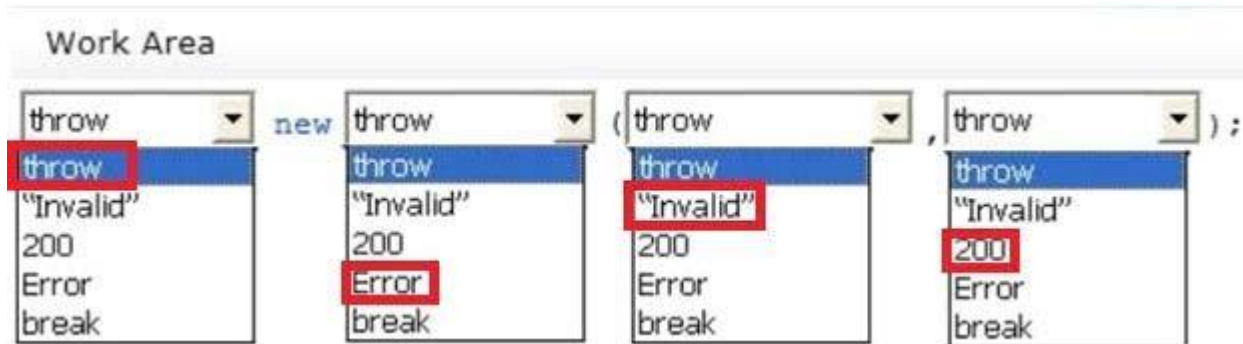
A. throw new Error(200,"Invalid"); (For only Microsoft IE-Browsers) otherwise throw new Error("Invalid",200); (For all other Browsers) by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 15

You are testing the value of the following variable in JavaScript.

var height = "300";

A block of code must execute if the following conditions are true:

The height variable is set to 300

The height variable is of type string

You need to implement the code to run the test. Which line of code should you use?

- A. if (height == 300)
- B. if (height === "300")
- C. if (height ! "300")
- D. if (height != 300)

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 16

You are developing an application for an online retailer. The company ships only to certain countries. The application must:

- Store a list of country codes in an array
- Validate the country code of the shipping address against the countries array
- Include a Boolean value in the array that indicates whether or not you can ship to the country
- Display a list of countries that can be shipped to if the user inputs a code for a country that the retailer cannot ship to

You need to develop the application to meet the requirements. Which code segment or segments should you use? (To answer, drag the appropriate code segment or segments from the list of code segments to the correct location or locations in the work area. Each code segment 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.)

```
if (!arr[ctry]) {
```

```
for (var i in arr)  
  if (arr[i]) txt += i + " ";
```

```
if (arr[ctry]) {
```

```
for (var i; i < arr.length(); i++)  
  if (arr[i]) txt += i + " ";
```

```
for (var i in arr)  
  txt += i + " ";
```

```
<input id="Country" type="text" />  
<input type="button" value="submit" onclick="validate()" />  
<div id="valid"></div>  
<script>  
  function validate() {  
    var arr = new Array();  
    arr["US"] = true;  
    arr["CA"] = true;  
    arr["UK"] = false;  
  
    var ctry = document.getElementById("Country").value;  
  
    var txt = "Country is not valid. ";  
    txt += "Valid values are ";  
  
    document.getElementById("valid").innerText = txt;  
  }  
</script>
```



A. (First Text Box)Expression-A, (Second Text Box)Expression-B by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

```
if (arr[ctry]) {
```

```
for (var i; i < arr.length(); i++)  
  if (arr[i]) txt += i + " ";
```

```
for (var i in arr)  
  txt += i + " ";
```

```
<input id="Country" type="text" />  
<input type="button" value="submit" onclick="validate()" />  
<div id="valid"></div>  
<script>  
  function validate() {  
    var arr = new Array();  
    arr["US"] = true;  
    arr["CA"] = true;  
    arr["UK"] = false;  
  
    var ctry = document.getElementById("Country").value;  
    if (!arr[ctry]) {  
      var txt = "Country is not valid. ";  
      txt += "Valid values are ";  
  
      for (var i in arr)  
        if (arr[i]) txt += i + " ";  
  
      document.getElementById("valid").innerText = txt;  
    }  
  }  
</script>
```

**QUESTION 17**

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;
```

xxxxxxxxxx

```
<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>
```

A. (First Text Box)Expression-A, (Second Text Box)Expression-A,(Third Text Box)Expression-B by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 18**

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?

C A. `<body>`  
            <script>  
        function disable(ctrl) {  
            ctrl.disabled = true;  
        }  
    </script>  
`</body>`

C B. `<body>`  
            <script>  
        function disable() {  
            this.disabled = true;  
        }  
    </script>  
`</body>`

C C. `<body>`  
            <script>  
        function disable() {  
            document.getElementById("btn" + this.name).disabled = true;  
        }  
    </script>  
`</body>`

C D. `<body>`  
            <script>  
        function disable(ctrl) {  
            ctrl.disabled = true;  
        }  
    </script>  
`</body>`



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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 19**

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

**Correct Answer:** A

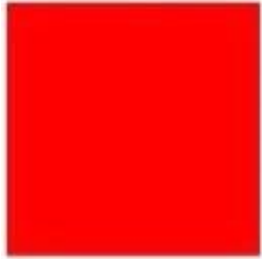
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 20**

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>
```

A. (First Text Box)Expression-C, (Second Text Box)Expression-B,(Third Text Box)Expression-A by CPP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

```
context.fillSquare(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 21**

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.

```
<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>
```

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?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**