

 **CERT** *Ya!*

**Microsoft**

**98-382**

**Introduction to Programming Using JavaScript  
QUESTION & ANSWERS**

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**Question: 1**

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**HOTSPOT**

You are designing a web page that contains a blue button. When the button is pressed, it should call a function that displays the message 'Welcome!'. When the cursor hovers over the button, the button should turn red. When the cursor leaves the button, the button should revert back to its original color of blue.

You want to complete the markup using the appropriate HTML events.

How should you complete the markup? To answer, select the appropriate event in the answer area. NOTE: Each correct selection is worth one point.

## Answer Area

```
<!DOCTYPE html>
<html>
<head>
  <script>

    function showRed()
    {
      var changer = document.getElementById("changer");
      changer.style.backgroundColor = "red";
    }

    function showBlue()
    {
      var changer = document.getElementById("changer");
    }

    function notify()
    {
      alert("Welcome!");
    }
  </script>
</head>
<body>
```

```
<input id="changer" type="button"
  <input type="button" value="notify();"
  <input type="button" value="showRed();"
  <input type="button" value="showBlue();" value="Click Me" style="background-color:blue; color:white;"/>
</body>
</html>
```



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**Answer:**

---

```



```

Explanation:

References:

[https://www.w3schools.com/jsref/dom\\_obj\\_event.asp](https://www.w3schools.com/jsref/dom_obj_event.asp)

## Question: 2

### DRAG DROP

You are creating a web page with a script. The script will insert the window's location inside the page's input element.

How should you complete the code? To answer, drag the appropriate code segment to the correct locations. 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.

Code Segments	Answer Area
<input type="text" value="window"/> <input type="text" value="location"/> <input type="text" value="document"/> <input type="text" value="getElementById"/>	<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;body&gt;   &lt;input id="url" type="input" /&gt;   &lt;script&gt;     [ ] . [ ] ("url").value = [ ] . [ ] .href;   &lt;/script&gt; &lt;/body&gt; &lt;/html&gt; </pre>

**Answer:**

## Code Segments

## Answer Area

```
<!DOCTYPE html>
<html>
<body>
  <input id="url" type="input" />
  <script>
    document.getElementById("url").value = window.location.href;
  </script>
</body>
</html>
```

Box 1: document

Box 2: getElementById

Box 3: window

Box 4: location

Explanation:

References:

[https://www.w3schools.com/js/js\\_window\\_location.asp](https://www.w3schools.com/js/js_window_location.asp)

### Question: 3

You are designing a web page with a script that must dynamically change the content of a paragraph element to display the value returned by the function randomQuote(). You have created the following code. Line numbers are included for reference only.

```
01 <!DOCTYPE html>
02 <html>
03 <body>
04 <p id="tester" onclick="changeText()">Click to change the content.</p>
05 <input type="button" value="Change Text" onclick="changeText()" />
06 <script>
07 function changeText() {
08
09 }
10 </script>
11 </body>
12 </html>
```

Which code segment should you use at line 08?

- A. document.getElementById("tester").value = randomQuote();
- B. document.getElementById("tester").title = randomQuote();
- C. document.getElementById("tester").innerHTML = randomQuote();
- D. document.getElementById("tester").script = randomQuote();

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**Answer: C**

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Explanation:

References:

[https://www.w3schools.com/html/html\\_scripts.asp](https://www.w3schools.com/html/html_scripts.asp)

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**Question: 4**

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**HOTSPOT**

You are designing a web page that contains a list of animals. The web page includes a script that outputs animals from a list.

You create the following HTML to test the script:

```
<p>Animals</p>
<ul>
  <li>Dog</li>
  <li><b>Cat</b></li>
  <li>Lion</li>
</ul>
<p>Click the button to display the animals.</p>
<button onclick="showList()">Show List</button>
<div id="list"></div>
```

You need to create a function that will display the list of animals, including any formatting, in the div element.

How should you complete the code? To answer, select the appropriate code segments in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
function showList() {
  var list = document.
  for (var i = 0; i < list.length; i++) {
    document. ("list"). +=list[i].
  }
}
```

---

**Answer:**

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## Answer Area

```
function showList() {  
  var list = document.  
    
  for (var i = 0; i < list.length; i++) {  
      
    document.  
    ("list").  
    +=list[i].  
  }  
}
```

Box 1: `getElementsByTagName("ul")`

Box 2: `getElementsByTagName("li")`

Box 3: `innerHTML`

Box 4: `innerText`

Explanation:

References:

[https://www.w3schools.com/jsref/met\\_element\\_getelementsbytagname.asp](https://www.w3schools.com/jsref/met_element_getelementsbytagname.asp)