



98-382^{Q&As}

Introduction to Programming Using JavaScript

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QUESTION 1

DRAG DROP

You are creating a web page that tests a user's ability to accurately type text. The validation should be case-insensitive.

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

Select and Place:

Code Segments

- value
- innerHTML
- toLowerCase()

Answer Area

```
<!DOCTYPE html>
<html>
<head>
  <script>
    function validate() {
      var input = document.getElementById("tester"). [ ] ;
      var text = document.getElementById("userText"). [ ] ;
      if(input. [ ] == text. [ ] )
      {
        alert("Success");
      }
    }
  </script>
</head>
<body>
  <p id="userText">When in the course of human events...</p>
  <input type="input" id="tester"; />
  <button onclick="validate()">Validate</button>
</body>
</html>
```

Correct Answer:



Code Segments

value

innerHTML

toLowerCase()

Answer Area

```
<!DOCTYPE html>
<html>
<head>
  <script>
    function validate() {
      var input = document.getElementById("tester").value ;
      var text = document.getElementById("userText").innerHTML ;
      if(input.value == text.innerHTML )
      {
        alert("Success");
      }
    }
  </script>
</head>
<body>
  <p id="userText">When in the course of human events...</p>
  <input type="input" id="tester"; />
  <button onclick="validate()">Validate</button>
</body>
</html>
```

References: https://www.w3schools.com/jsref/prop_text_value.asp

QUESTION 2

You are creating a web page that allows customers to choose how hot their spice is. If they choose spicy, a warning should be displayed. You create the following form. Line numbers are included for reference only.

```
01 <form name = "orderForm" action = "#" method = "post">
02   <select name = "heatIndex" required>
03     <option>Mild</option>
04     <option>Medium</option>
05     <option>Spicy</option>
06   </select>
07   <button onclick = "checkWarning()">Order</button>
08 </form>
```

You create the following JavaScript code to display the warning.



```
09 function checkWarning() {
10     var option = document.forms.orderForm["heatIndex"];
11     if (option == "Spicy") {
12         alert("Spicy food: Good Luck!");
13     }
14 }
```

When you choose spicy and click Order, the warning fails to display.

You need to solve this problem.

What should you do?

- A. Change line 07 to Order
- B. Change line 07 to Order
- C. Change line 10 to var option.value = document.forms.orderForm["heatIndex"];
- D. Change line 10 to var option = document.forms.orderForm["heatIndex"].value;

Correct Answer: D

References: https://www.w3schools.com/jsref/coll_doc_forms.asp

QUESTION 3

HOTSPOT

You are creating a function that does safe division.

The function has the following requirements:

The function receives two parameters for the numerator and denominator.

If the denominator is zero, the function must return false.

If the denominator is not zero, the function must return true.

You write the following code. Line numbers are included for reference only.

```
01 function isSafeDivide(numerator, denominator) {
02     if (denominator = 0) {
03         return false;
04     } else {
05         return true;
06     }
07 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.



Hot Area:

Answer Area

	Yes	No
The function will always return false.	<input type="radio"/>	<input type="radio"/>
The operator at line 02 should be !=	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

	Yes	No
The function will always return false.	<input type="radio"/>	<input checked="" type="radio"/>
The operator at line 02 should be !=	<input type="radio"/>	<input checked="" type="radio"/>

References: https://www.w3schools.com/js/js_comparisons.asp https://www.w3schools.com/jsref/jsref_if.asp

QUESTION 4

DRAG DROP

A JavaScript array is initialized as follows:

```
var array = [20, 40, 60, 80];
```

You write the following code to manipulate the array:





```
array.shift();  
array.pop();  
array.push(10);  
array.unshift(100);
```

You need to determine the contents of the array.



Which four elements does the array contain in sequence? To answer, move the appropriate elements from the list of elements to the answer area and arrange them in the correct order.



Select and Place:

Elements		Answer area
10	 	 
20		
40		
60		
80		
100		

Correct Answer:

Elements		Answer area
20	 	100 40 60 10
80		

References: <https://www.bennadel.com/blog/1796-javascript-array-methods-unshift-shift-push-and-pop.htm>

QUESTION 5

HOTSPOT

You are creating a JavaScript function that returns a date the specified number of months in the future of the current date.

The function must meet the following requirements:

Accept a number that represents the number of months to add or subtract from the current date.

Return the current data adjusted by the number of months passed into the function.

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.

Hot Area:



Answer Area

```
function adjustMonth(value) {
```

	▼
var date = new Date();	
var date = Date();	
var date = new Date;	
var date = Date;	

	▼
var month = date.getMonth;	
var month = getMonth();	
var month = date.getMonth();	
var month = getMonth;	

	▼
date.setMonth(month + value);	
setMonth(month + value);	

```
return date ;
```

```
}
```

Correct Answer:



Answer Area

```
function adjustMonth(value) {
```

```
var date = new Date();
```

```
var date = Date();
```

```
var date = new Date;
```

```
var date = Date;
```

```
var month = date.getMonth;
```

```
var month = getMonth();
```

```
var month = date.getMonth();
```

```
var month = getMonth;
```

```
date.setMonth(month + value);
```

```
setMonth(month + value);
```

```
return date ;
```

```
}
```

References: https://www.w3schools.com/js/js_dates.asp https://www.w3schools.com/js/js_date_methods.asp
https://www.w3schools.com/jsref/jsref_setmonth.asp

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