

98-382^{Q&As}

Introduction to Programming Using JavaScript

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QUESTION 1

HOTSPOT

You are creating a calendar application. You need to ensure that the code works correctly for all months of the year.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
var daysInMonth;  
var month;  
month = new Date().getMonth();  
  
switch (month) {  
case (month) {  
break {  
  
case 1:  
daysInMonth = 28; // for February, ignore leap years  
  
case 3:  
break;  
case 5:  
while (month);  
case 8:  
  
case 10:  
daysInMonth = 30;  
  
break;  
continue;  
while (month);
```

Correct Answer:

Answer Area

```
var daysInMonth;  
var month;  
month = new Date().getMonth();  
  
switch (month) {  
case (month) {  
break {  
  
case 1:  
    daysInMonth = 28; // for February, ignore leap years  
  
case 3: break;  
case 5: while (month);  
case 8:  
  
case 10:  
    daysInMonth = 30;  
  
break;  
continue;  
while (month);
```

References: https://www.w3schools.com/js/js_break.asp https://www.w3schools.com/jsref/jsref_switch.asp

QUESTION 2

HOTSPOT

Your instructor has asked you to write a program that uses simple rules to help determine if a person should take the train, drive their car, or ride a bike, depending on the conditions of the weather and the amount of gas in the car's tank.

The program has the following requirements:

When the temperature is above 65 degrees and it is not raining, the person should be told to ride their bike.

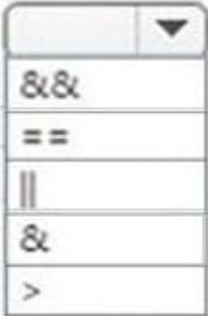

When it is raining, the person should be told to drive their car.

If their car has half a tank of gas or less, they should be told to take the train.

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

Hot Area:

Answer Area

```
if(temperature > 65  !raining)
    advice = "Ride Bike";
else if(fuelTank  .5)
    advice = "Take Train";
else
    advice = "Drive your car";
```

Correct Answer:

Answer Area

```
if(temperature > 65 && !raining)
    advice = "Ride Bike";
else if(fuelTank <= .5)
    advice = "Take Train";
else
    advice = "Drive your car";
```

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

QUESTION 3

HOTSPOT

You are evaluating a colleague's code to ensure it meets best practices.

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 characters <code>//</code> are used to mark a single line as a comment.	<input type="checkbox"/>	<input type="checkbox"/>
<code>totalscore</code> is in the correct format according to standard naming conventions for JavaScript.	<input type="checkbox"/>	<input type="checkbox"/>
<code>~score</code> can be used as a variable name.	<input type="checkbox"/>	<input type="checkbox"/>
<code>switch</code> can be used as a variable name.	<input type="checkbox"/>	<input type="checkbox"/>

Correct Answer:

Answer Area

	Yes	No
The characters <code>//</code> are used to mark a single line as a comment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<code>totalscore</code> is in the correct format according to standard naming conventions for JavaScript.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<code>~score</code> can be used as a variable name.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<code>switch</code> can be used as a variable name.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

References: https://www.w3schools.com/js/js_conventions.asp

QUESTION 4

You are creating a dynamic HTML page by using JavaScript.

Your page has an image of the sun. When the user's mouse pointer moves across the image of the sun, the image should change to the image of the moon. When the user's mouse pointer is no longer over the image should change back to

the image of the sun.

You need to write the code for the image swap.

Which two events must you program for? (Choose two.)

- A. onmouseup
- B. onmouseout
- C. onmousedown

- D. onmouseover
- E. onmouseenter

Correct Answer: BD

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

QUESTION 5

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

-
-
-

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>
```

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

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