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Week 2: Using JavaScript to Create

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Quiz 2.7

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Problem 1

1/1 point (graded)

In JavaScript, a callback function is:

A function that is invoked as the result of some type of action or event. ✓

A function that has no return value.

A function that can be used to call other functions.

A function that is used as part of another function.

Answer

Correct:

A callback function is one that you as the programmer implement but do not invoke; rather, the underlying system (in this case, the browser) invokes it after some event or action.

Submit

You have used 1 of 3 attempts

?

Hint

Save

i

Show Answer

Problem 2

1/1 point (graded)

What is the result of the following JavaScript code?

```
var elems = document.getElementsByClassName('one');
for (var i = 0; i < elems.length; i++) {
  elems[i].addEventListener('mouseover',
    function() {
      var all = document.getElementsByClassName('two')
      for (var j = 0; j < all.length; j++) {
        all[j].style.color = 'red';
      };
    }
  );
};

```

When the user places the mouse over any element in the “one” class, any element that is either in the “one” or “two” class becomes red.

When the user places the mouse over any element in the “one” class, any element that is in both the “one” and “two” classes becomes red.

When the user places the mouse over any element in the “two” class, all elements in the “one” class become red.

When the user places the mouse over any element in the “one” class, all elements of the “two” class become red. ✓

Answer

Correct:

The outer loop applies the event listener to each element in the “one” class. The inner loop is what is executed when that event occurs, and it changes all elements of the “two” class to red.

Submit

You have used 1 of 3 attempts

?

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✓ Correct (1/1 point)

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