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Q9. What will the code below output to the console and why?
var arr1 = "john".split(");
var arr2 = arr1.reverse();
var arr3 = "jones".split(");
arr2.push(arr3);
console.log("array 1: length=" + arr1.length + " last=" + arr1.slice(-
1));
console.log("array 2: length=" + arr2.length + " last=" + arr2.slice(-
1));
A. The output of the code is:
array 1: length=5 last=j,o,n,e,s
array 2: length=5 last=j,o,n,e,s
Explanation:
     var arr1 = "john".split(");: This line creates an array arr1 containing
    individual characters of the string "john" using the split(")
    method. So, arr1 becomes ['j', 'o', 'h', 'n'].
 var arr2 = arr1.reverse();: This line creates a new array arr2 that
    references the same array as arr1. The reverse() method is
    called on arr1, which reverses the order of its elements. Both
    arr1 and arr2 now point to the same reversed array ['n', 'h', 'o', 'j'].
 var arr3 = "jones".split(");: This line creates an array arr3
    containing individual characters of the string "jones" using the
    split(") method. So, arr3 becomes ['j', 'o', 'n', 'e', 's'].
 arr2.push(arr3);: This line pushes the entire array arr3 as a single
    element to the end of arr2. Now arr2 becomes ['n', 'h', 'o', 'j', ['j', 'o',
    'n', 'e', 's']].
 console.log("array 1: length=" + arr1.length + " last=" + arr1.slice(-1));:
    This line logs the length of arr1, which is 5, and the last element
    of arr1, which is 's'. The slice(-1) method returns the last element
    of the array, which is 's'.
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console.log("array 2: length=" + arr2.length + " last=" + arr2.slice(-1));:
This line logs the length of arr2, which is also 5, and the last element of arr2, which is the entire nested array ['j', 'o', 'n', 'e', 's'].
The slice(-1) method returns the last element of the array, which is the last array itself.