Chork Hieng (username: gt9182iu) Attempt 1 Written: Jan 26, 2022 1:39 AM - Jan 26, 2022 1:46 AM **Submission View** Your quiz has been submitted successfully. 1 / 1 point Question 1 In Java, how to you find the length of array a? You need to keep track of that in a separate variable. a.length a.length - 1 Question 2 1 / 1 point What is the index of the first element of array a? a.length **Question 3** 1 / 1 point What is the index of the last element of array **a**? a.length + 1 a.length

Quiz Submissions - Arrays and Half-open Ranges Reading Quiz

Question 4 1 / 1 point

a.length - 1

It returns the value of an item at a given index of an array.	
✓ It returns the index of the first instance of a given value in an array.	
It returns the index of the last instance of a given value in an array.	
Question 5	1 / 1 poin
What does the count algorithm do?	
✓ It returns a count of the number of occurrences of a given value in an array.	
It returns a list of indices at which a given value may be found in an array.	
It returns the length of an array.	
Question 6	1 / 1 poin
What does the minElement algorithm do?	
✓ It returns the index of the smallest element of an array.	
It returns the lowest index of an array.	
It returns the value of the smallest element of an array.	
Question 7	1 / 1 poin
What does the swap algorithm do?	
✓ It exchanges two elements of an array.	
It exchanges the contents of two arrays.	
It exchanges the first and last elements of an array.	
Question 8	1 / 1 poin
What does the rotateLeft algorithm do?	
It moves all the elements of the array to thie next higher index, with the last moved to the beginning.	element
It moves all the elements of the array to the next lower index, with the first ediscarded.	element
It moves all the elements of the array to the next lower index with the first of	element

What does the **find** algorithm do?

Question 9	1 / 1 point
Our ArrayUtils class is referred to as a utility class.	
✓ True	
False	
Question 10	1 / 1 point
In the ArrayUtils functions, what is consistently used as the name of ar	n array?
value	
√ a	
Ĺ	
Question 11	1 / 1 point
In the ArrayUtils functions, what is consistently used as the name of a	value to search for?
Ĺ	
o a	
✓ value	
Question 12	1 / 1 point
In the ArrayUtils functions, what is consistently used as the name of the	e loop variable?
√ ○ i	
value	
a	

Question 13 1 / 1 point

Which of these is the standard for loop for traversing an entire array?

<pre> ✓ for (int i = 0; i < a.length; i++)</pre>
for (int i = 1; i <= a.length; i++)
<pre>for (int i = 0; i <= a.length; i++)</pre>
Question 14 1 / 1 poin
Which of these is the notation for a half-open range starting at index lo and going up to (but not including) hi ?
(lo,hi)
✓ [lo,hi)
[lo,hi]
Question 15 1 / 1 poir
If a is an array, a[hi] is an element within the half-open range [lo,hi).
True
✓ False
Question 16 1 / 1 poir
If a is the name of an array, why does a [a.length] always cause an error?
This is a trick question; a[a.length] is valid and refers to the last element of the array
Since arrays begin at 0, the valid indices are [0,a.length), and so a.length is not a valid index.

Attempt Score: 16 / 16 - 100 %

Overall Grade (highest attempt): 16 / 16 - 100 %

Done