wk2-Implementing Selection Sort

Saturday, December 12, 2020 6:40 PM

~	Congratulations! You passed! TO PASS 65% or higher Keep Learning	100%	
Implementing Selection Sort			
1.	For the assignment you wrote the method sortByLargestDepth in the class QuakeSortInPlace to sort earthquakes by their depth from largest depth to smallest depth using the selection sort algorithm. Modify this method to do exactly 50 passes and then modify the testSort method to run this method on the file earthQuakeDataDec6sample1.atom. The file may not be completely sorted as there are more than 50 quakes in the file. After running your program of 50 selection sort passes on this file, what is the depth of the last earthquake in the ArrayList? -20021.00 Correct	1 / 1 point	
2.	For the assignment you wrote the method sortByMagnitudeWithCheck in the class QuakeSortInPlace to sort earthquakes by their magnitude from smallest to largest using the selection sort algorithm, and stopping once the ArrayList is sorted. Modify testSort to run this method on the file earthQuakeDataDec6sample2.atom . Make sure you are using the updated (1/12/16) version of the EarthQuakeParser class. How many passes are needed to sort this file?	1 / 1 point	
	√ Correct		
3.	For the assignment you wrote the method sortByMagnitudeWithBubbleSortWithCheck in the class QuakeSortInPlace to sort earthquakes by their magnitude from smallest to largest using the bubble sort algorithm, and stopping once the ArrayList is sorted. Modify testSort to run this method on the file earthQuakeDataDec6sample2.atom . How many passes are needed to sort this file?	1/1 point	
	67 ✓ Correct		

4.	Consider the following ArrayList of six integers.	1/1 point
	732814	
	What does this ArrayList look like after two passes of <u>selection sort</u> that sorts the elements in numeric order from smallest to largest?	
	O 123478	
	123874	
	132874	
	231478	
	O 127348	
	732814	
	Correct Here are the selection sort passes for this example. Three passes are needed. 732814 132874	
	123874	
	123478	
5.	Consider the following ArrayList of six integers.	1 / 1 point
	732814	
	What does this ArrayList look like after two passes of <u>bubble sort</u> that sorts the elements in numeric order from smallest to largest?	
	732814	
	231478	
	327148	
	321748	
	213478	
	234178	
	✓ Correct Here are the passes for bubble sort.	
	732814	
	327148	
	231478	
	213478	
	2.5770	