wk2-FinalQuiz_Sorting Algorithms

Saturday, December 12, 2020 10:21 PM

1280

~	Congratulations! You passed! TO PASS 80% or higher Keep Learning	grade 100%
	rthquakes: Sorting Algorithms TSUBMISSION GRADE 19%	
	arthquakes: Sorting Algorithms	
1.	For an 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 70 passes and then modify testSort to run this method on the file earthQuakeDataDec6sample2.atom . The file may not be completely sorted as there are many quakes in the file.	1 point
	After running your program of 70 selection sort passes on this file, what is the depth of the last earthquake in the ArrayList? Note: This question has variations. If you attempt this quiz multiple times, make sure you are using the correct number of sort passes!	
	-100000.00	
(For an 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 with passes once the ArrayList is sorted. Modify testSort to run this method on the file earthQuakeDataWeekDec6sample2.atom	1 point
	Note: This question has variations. If you attempt this quiz multiple times, make sure you are using the correct data file	!
(1259	
(1273	
(1277	
(1279	

3.	For an 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 with passes once the ArrayList is sorted. Modify testSort to run this method on the file earthQuakeDataWeekDec6sample1.atom .	1 point
	How many passes are needed to sort this file?	
	Note: This question has variations. If you attempt this quiz multiple times, make sure you are using the correct data file!	
	O 1173	
	O 1186	
	1241	
	O 1262	
	O 1277	
	O 1288	
4.	Consider an ArrayList of following six integers.	1 point
	245981	
	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?	
	124985	
	125498	
	125984	
	145982	
	245981	
	O 415289	
5.	Consider an ArrayList of following six integers.	1 point
	4 2 5 9 8 1	
	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?	
	241589	
	245189	
	245819	
	O 425189	
	O 425819	
	425981	

6.	For an assignment, you modified the compareTo operator in the class QuakeEntry to sort earthquakes by their magnitude first, from smallest magnitude to largest magnitude, and to break ties by their depth, from largest depth to smallest depth. Then you wrote the method sortWithCompareTo in the DifferentSorters class using the Collections.sort method. Modify this method to print out the QuakeEntry in <u>position 600</u> after sorting the QuakeEntry 's by the above method. Run this method on the file earthQuakeDataWeekDec6sample2.atom .	1 point
	What is the depth of the earthquake that is in <u>position 600</u> after the earthquakes are sorted by the above method?	
	Note: This question has variations. If you attempt this quiz multiple times, make sure you are using the correct data file!	
	-53600.00	
7.	For an assignment, you wrote the TitleAndDepthComparator to sort earthquakes by their title first, in alphabetical order, and to break ties by their depth, from smallest depth to largest depth. You then used the Collections.sort method with the TitleAndDepthComparator . Modify the sortByTitleAndDepth method in the DifferentSorters class to print out the QuakeEntry in <u>position 500</u> after sorting the QuakeEntry 's by the above method. Run this method on the file earthQuakeDataWeekDec6sample2.atom .	1 point
	What is the depth of the earthquake that is in <u>position 500</u> after the earthquakes are sorted by the above method?	
	Note: This question has variations. If you attempt this quiz multiple times, make sure you are using the correct data file!	
	-7630.00	
8.	For an assignment, you wrote the TitleLastAndMagnitudeComparator to sort earthquakes by the last word in their title (first, in alphabetical order, and to break ties by their magnitude, from smallest to largest. You then used the Collections.sort method with the TitleLastAndMagnitudeComparator . Modify the sortByLastWordInTitleThenByMagnitude method in the DifferentSorters class to print out the QuakeEntry in <u>position 500</u> after sorting the QuakeEntry 's by the above method. Run this method on the file earthQuakeDataWeekDec6sample2.atom . What is the depth of the earthquake that is in <u>position 500</u> after the earthquakes are sorted by the above method? Note: This question has variations. If you attempt this quiz multiple times, make sure you are using the correct data file!	1 point
	-1490.00	