Proj 9 - Merge Sort

* **Due**Mar 27 by 11:59pm
* **Points**45
* **Submitting**a file upload
* **File Types**jar

Problem

Create a program to perform a merge sort on a linked list.

Specification

1. **Create a linked list of 100 random integers in the range 1-1000.**
2. **Display the unsorted linked list in a 10 x 10 table.**
3. To sort the linked list using a merge sort routine:
   * **Convert the linked list to an array.**
   * **Perform a recursive merge sort on the array.**
   * Change the merge sort algorithm to use a non-recursive algorithm (selection sort, insertion sort) when the size of the partitions is below some threshold.
   * Insert a comment in the merge sort routine that explains how you decided what the threshold would be.
   * **Once the sort is complete, convert the array back into a linked list.**
4. **Display the sorted linked list in a 10 x 10 table.**

Admin

1. Grading
   * 0 points if your program does not compile.
   * +5 for comments, indentation and placement of {} per [Style Guide](http://www.cs.slcc.edu/style-guide.shtml).
   * +5 for each specification met.
2. Submission: An executable JAR file that also contains your .java source code files.

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