Merge Sort

1) What does my mergesort function look like?
   A: The mergesort function should accept only a single linked list and it should return a linked list. The merge function should take 2 linked lists and also return a linked list. The look of the function will be very similar to the array version of the mergesort algorithm

2) How is the merge function different?
   A: You don't need to worry about low, middle or high because the the linked lists are both ending with their last node's next containing a null.
   The two arguments being passed in are are like head variables that are pointing to the beginning of the linked lists.
   You will have a loop that processes the 2 lists against one another and creates another list which will contain the nodes in sorted order. The loop will end as soon as one of the lists is completely processed.

   After the above loop completes, you will have another loop that processes the rest of what is remaining in the linked list that has not been fully processed. You will need to have one loop for each of the lists.

3) Just as before, you should not use any of the built-in classes or functions. You have to create your linked list.