**A3-2: Bucket Sort with LinkedList**

In Exercise 18.7, you performed a bucket sort of ints by using a two-dimensional array, where each row of the array represented a bucket. If you use a dynamically expanding data structure to represent each bucket, you do not have to write code that keeps track of the number of ints in each bucket. Rewrite your solution to use a one-dimensional array of LinkedList buckets.