**Problem 6 Discussion:**

Based on the findings in problem 6, I found out that Hashmaps are most effective for searching for keys in them and the least effective (most time consuming) when inserting keys into them. I was a little surprised by my results for insertion for the linked and array list, as I expected there to be a bigger difference, because the linked list is not creating any arrays in the background and both of their run times are constant. However with more data this becomes more accurate and in my opinion I didn’t use enough data for it to be extremely accurate. The Array List is less effective than the LinkedList in search, as the keys are in random order, as Array List is preferred to link list, when the keys have a specific order.