Per iteration 3 requirements, I wrote a little program that filled up a Python list of size 250 that was already in sorted order. The standard no frills quicksort ran very poorly(actually fairly worse) than expected with 125,738 comparisons and 1004 assignment statements.

The Randomized version of Quicksort performed very well(much better than I remember from 320) with only 1541 comparisons! Assignments stayed (relatively) the same at 1042. Its pretty clear that making the one little change of choosing the pivot element randomly makes a very large difference for the worst case scenario.