Week 7 Assessment

1. Extra Large Array-
   Insert= 877.66488 ms
   Append= 2.743245 ms
   The append method was faster.


2. Tiny Arr-
   Insert= 36.587 us
   Append =143.455 us
   The insert method was faster.

3. Small Arr-
   Insert=52.588 us
   Append=163.662 us
   The insert method was faster.

4. Medium Arr-
   Insert=165.07 us
   Append=206.119 us
   The insert method was faster.

5. Large Arr-
   Insert=6.444077 ms
   Append=537.434 us
   The append method was faster.

The quickness of a method depends on the size of the array. For a smaller sized array, the Insert method would be the quickest way to run the code, while for larger arrays the Append method is faster. The insert method adds the new number to the front and shifts all the numbers back a position.  This is done quickly with small arrays but shifting all the numbers in a big array takes more time.  The append adds the number to the end, so it doesn't need to take up the time it would take to shift all the numbers the one position making it a faster method on large arrays.