**i2a Lab Week6 – More Sorting**

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1. Using the pseudo code of the three sorting algorithms derived in class/lab*:*
   1. Implement the *Selection Sort* and *Bubble Sort* in C
   2. In the discussion of these algorithms in class, we showed how to improve both. Implement the changes in C.
   3. Are they more efficient? How do you know? When implementing, use a **counter** which counts the number of times that the loops are implemented.
   4. Test each algorithm with [4, 6, 1, 2].
2. What is the **Big O** of:
   1. The iterative GCD algorithm. Why?
   2. The two-sum program. Why?
   3. A Rock/Paper/Scissors algorithm. Why?