CIS 55
Exercise 5, Due no later than 05-Nov-2021, 11:59pm Pacific Time

Below is your exercise for Basic Sorts. For submitting your answers, you can either send me an updated Word document with your answers, email your answers directly, or even take a screen shot of your work on paper if you like. In all cases, email me your answers when you feel ready.

Basic Sorts (Total 10 points)

Use the following array of numbers for each of the sorting tasks below:

6 2 8 1 7 5 3 4

1) Bubble Sort (not optimized) – show what the array looks like **each time the swap operation is performed** using the bubble sort algorithm (not optimized, meaning no use of swapFlag)

2) Selection Sort - show what the array looks like **each time the swap operation is performed** using the selection sort algorithm

3) Insertion Sort – show what the array looks like **at the end of each outer loop iteration** of the insertion sort algorithm