Name: _____   **Date:** _____

Crs/Yr/Sec: _____

Topic**: Array and Function Practice Exercises**

1. Write a program that will ask the user to input an integer number or can generate a random number based on the initial array size and your program will sort the numbers in an ascending and descending order.

   The following are sorting algorithms:

   1. Selection Sort
   2. Bubble Sort
   3. Insertion Sort
   4. Heap Sort
   5. Merge Sort
   6. Binary Sort

   What are your observations regarding these sorting algorithms? Write your observations.

2. Modify your programs in problem number 1 using characters and strings.