

Assignment 6

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1 Time Difference

From learning the run-times in class, Bubble Sort was the fastest, if the data set was small. Selection sort and insertion sort had a similar run-time. This concluded that quick sort was the slowest run time of the four, but it used recursion and the data size was small.

2 Trade Off

For larger data sets, quick sort would be the best sorting method. For pre- sorted data, insertion sort would have a faster run-time. However, for small data sets, bubble sort is the better of the sorts.

3 Programming Languages

C++ has a difference print system than the other programming languages and has different class implementation. The run-times should still be similar to Python and Java.

4 Shortcoming

Since my data set had some pre-sorted data, it had different run-times. Furthermore, the data values was smaller than others.