Vector Sorting

Reflection/Pseudocode

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For this assignment, we used bid information for auction companies that was extracted from a CSV file. We had to implement a sorting algorithm into a selection sort method and a quick sort method as well as complete code within a partition method. Once I got a hang of it, it was fine but the only problem I had was actually on me. I misunderstood the instructions and didn’t unzip the folder that was provided so I just started a new file under source and nothing was working (It’s been a little bit since I’ve coded so had a little bit of a brainfart). Once I realized I needed to unzip the file and the code was already partially there, and crying for a little bit, I was well on my way to getting this assignment finished.

SelectionSort Method

Int smallest;

Smallest = place;

Largest = bids.size();

For loop comparing smallest and largest bid and swapping them if bid is bigger than last one. (This sorts them.)

Partition method

Int l = begin;

Int h = end;

Pivot = begin+(end-begin)/2;

While (low bids are less than pivot bids)

Increment low bids;

While(pivot bids are less than high bids)

Decrement high bids;

If (low bid are greater than or equal to high bids)

Done

Else

Swap low and high bids using built in vector method

Move low and se quickSort method to sort bids

Calculate timing results and display results