They would like you to complete the first phase in our technical interview process which is a short programming exercise. The team values strong programming skills, so please take the problem seriously.

Once you submit your solution, the team will review both your solution and your resume once more and determine how best to proceed.   
  
**Send both your source code and ‘output.csv’ file for evaluation, and make sure to include the amount of time spent.**

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**Feedback Candidate # 1:**

Hi Adam   
  
Thank you for submitting \*\*\*\*\* \*\*\*\*\*\*\* for our consideration. The team has reviewed XXXXXX's completed SPEX and have decided to pass at this time.  Below is the feedback provided.  Let me know if you have any questions.

**Pros:**

- 4 columns that were in output were correct

**Cons:**

- missing volume from output

- almost everything is in stockTrades::calcTradesStatistics() – reading, parsing, and calculations

**Feedback Candidate # 2:**

Hi Adam,

Thank you for submitting XXXXXX XXXXXXX for our consideration. The team has reviewed his completed SPEX and have decided to pass at this time. Below is the feedback provided.

Let me know if you have any questions.   
  
 **Pros:**   
  
- correct answer   
  
- calculations kind of separated from reading and writing, but still in TradeInfo class   
  
- small main   
  
  
  
**Cons:**   
  
- “Complete unit tests were not implemented as the goal for implementing the solution was set at 1-2 hrs”   
  
- “I highly recommend TDD with Agile development methodology.”   
  
- had tests, but they didn’t really test anything   
  
- class SymInfo has 5 private values, all with getters and setters   
  
- TradeInfo::ReadFile reads all lines, parses, and directs calculations   
  
- TradeInfo::updateMaxGapTimeStamp() for two metrics, TradeInfo::updateTotalValueVolumeMaxPrice() for three metrics   
  
- multiple map lookups from all these separate metric calculations   
  
- unused getters and setters in TradeInfo class (TradeInfo::getInFileName(), etc.)