Stock Order Execution System!

Problem: A stock order is an order to buy/sell a given quantity of stocks of specified company. Person willing to buy or sell a stock will submit an order to a stock exchange. where it is executed against the opposite side order of same company i.e, buy order is executed against an existing sell order and vice-versa. The criteria for stock orders execution is that, they should belong to same company, they are opposite sides (Buy vs Sell), and order of arrival i.e., the order is executed against the first available order. The left over quantity after execution is called remaining quantity. For example, if a buy order of quantity 10 is executed against a sell order of quantity 5, the remaining quantity of buy and sell orders are 5 and 0 respectively. An order status is called OPEN if the remaining quantity is greater than zero(>0), otherwise it's called CLOSED(i.e., remaining quantity = 0). Your task is to implement stock order execution system which takes input orders from given CSV (SOES - Input.csv), processes them and prints the status, remaining quantity of all the orders as output. Sample output is attached.