Problem description

We are a trading facilitator and developing a tool to audit transactions.

You are required to develop subroutines/api’s which will process given transactions and give us results for queries.

Notes:

Transaction skeleton.

{

trader: ”akash”

type:”Buy”/”Sell”

amt: xxx

}

Queries:

1> return list of all transactions in sorted order. [Sorting preference: trader ->type ->amt]

For ex:

Inputs:

**Param1**

[akash , Buy ,300]

[akash , Buy ,200]

[akash , Sell ,200]

[akash , Sell ,100]

[abhishek , Buy ,200]

[abhishek , Sell ,2300]

[abdul , Buy ,200]

[ajay , Buy ,200]

Output

[abdul , Buy ,200]

[abhishek , Buy ,200]

[abhishek , Sell ,2300]

[ajay , Buy ,200]

[akash , Buy ,200]

[akash , Buy ,300]

[akash , Sell ,100]

[akash , Sell ,200]

2>return list of all transactions for a particular trader in sorted order [sorting preference: type ->amt]

For ex:

Inputs:

**Param 1**

[akash , Buy ,300]

[akash , Buy ,200]

[akash , Sell ,200]

[akash , Sell ,100]

[abhishek , Buy ,200]

[abhishek , Sell ,2300]

[abdul , Buy ,200]

[ajay , Buy ,200]

Param 2: akash

Output

[akash , Buy ,200]

[akash , Buy ,300]

[akash , Sell ,100]

[akash , Sell ,200]

3> return list of all transactions less than or equal to a particular amt in sorted order [sorting preference: trader ->type ->amt]

For ex:

Inputs:

**Param 1**

[akash , Buy ,300]

[akash , Buy ,200]

[akash , Sell ,200]

[akash , Sell ,100]

[abhishek , Buy ,200]

[abhishek , Sell ,2300]

[abdul , Buy ,200]

[ajay , Buy ,200]

**Param 2:** 300

Output

[abdul , Buy ,200]

[abhishek , Buy ,200]

[ajay , Buy ,200]

[akash , Buy ,200]

[akash , Buy ,300]

[akash , Sell ,100]

[akash , Sell ,200]

4> return list of all transactions greater than or equal to a particular amt in sorted order [sorting preference: trader ->type ->amt]

For ex:

Inputs:

**Param 1**

[akash , Buy ,300]

[akash , Buy ,200]

[akash , Sell ,200]

[akash , Sell ,100]

[abhishek , Buy ,200]

[abhishek , Sell ,2300]

[abdul , Buy ,200]

[ajay , Buy ,200]

**Param 2:** 300

Output

[abhishek , Sell ,2300]

[akash , Buy ,300]

Notes:

Time Allowed : 120 minutes.