


Alpaca Brokerage Operations Data Analyst

This test is to assess basic your ability to work with data sets

```
import pandas as pd
import numpy as np
import uuid

#data_set.pkl: a table of equity trades
#fields:
#transaction_id: unique UUID of transaction
#account_id: unique UUID of account
#transaction_date: datetime.date of the transaction
#transaction_time: timestamp of transaction
#symbol: security bought or sold
#side: buy or sell
#type: fill or partial_fill
#qty: # of shares bought or sold, could be fractional share, positive number for bought, negative for sold
#price: price the shares were bought or sold at

data = pd.read_pickle('') #load data from pkl file, link provided at interview
data.iloc[0] # output first row of data
```



	0
transaction_id	6141db57-a47a-4d5d-b8ea-b9d8031adb15
account_id	8bc05ebb-9b77-4c27-ae52-747e71028b9a
transaction_date	2024-09-03
transaction_time	2024-07-23 19:52:14.984000
symbol	TQQQ
side	sell
type	fill
qty	-0.164608
price	63.532

Find the day with the largest absolute notional trading volume Is the trading volume from this day associated with a particular set of symbols or users?

#code here

The trades contained in this data set are all from a particular group of users associated with one business relationship.

Is there anything you notice about the trading behaviour that is common between all the users?

code and analysis here

