# client.py

def getDataPoint(quote):

""" Calculate the stock price based on the top bid and ask prices. """

stock = quote['stock']

bid\_price = quote['top\_bid']['price']

ask\_price = quote['top\_ask']['price']

stock\_price = (bid\_price + ask\_price) / 2

return stock, bid\_price, ask\_price, stock\_price

def getRatio(price\_a, price\_b):

""" Calculate the ratio of price\_a to price\_b. Return None if price\_b is zero. """

if price\_b == 0:

return None

return price\_a / price\_b