import pandas as pd

import matplotlib.pyplot as plt

data = {

'Date': [

'2023-01-01', '2023-01-02', '2023-01-03', '2023-01-04', '2023-01-05',

'2023-01-06', '2023-01-07', '2023-01-08', '2023-01-09', '2023-01-10'

],

'Open': [2700, 2720, 2750, 2765, 2778, 2782, 2790, 2805, 2815, 2820],

'High': [2710, 2740, 2778, 2780, 2785, 2800, 2810, 2820, 2830, 2840],

'Low': [2685, 2710, 2748, 2760, 2772, 2778, 2785, 2795, 2805, 2810],

'Close': [2705, 2735, 2770, 2775, 2780, 2795, 2805, 2820, 2815, 2820],

'Adj Close': [2690, 2720, 2755, 2760, 2775, 2790, 2800, 2815, 2810, 2825],

'Volume': [1000000, 1200000, 1500000, 1350000, 1400000, 1250000, 1100000, 1300000, 1400000, 1150000]

}

df = pd.DataFrame(data)

df['Date'] = pd.to\_datetime(df['Date'])

plt.figure(figsize=(12, 6))

plt.scatter(df['Volume'], df['Close'], c='blue', marker='o', alpha=0.7)

plt.xlabel('Volume')

plt.ylabel('Stock Price (Close)')

plt.title('Scatter Plot of Trading Volume vs. Stock Prices (2023)')

plt.grid(True)

plt.show()

