

6. Write a Pandas program to create a scatter plot of the trading volume/stock prices of Alphabet Inc. stock between two specific dates.

CODE :

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*6.Scatter plot.py - C:/Query processing/6.Scatter plot.py (3.11.1)*
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import pandas as pd
import matplotlib.pyplot as plt
import yfinance as yf

ticker = 'GOOGL'
start_date = '2023-01-01'
end_date = '2023-12-31'

stock_data = yf.download(ticker, start=start_date, end=end_date)

print(stock_data.head())

plt.figure(figsize=(12, 6))
plt.scatter(stock_data['Volume'], stock_data['Close'], color='blue', alpha=0.5)
plt.title('Trading Volume vs. Closing Prices of Alphabet Inc. Stock')
plt.xlabel('Trading Volume')
plt.ylabel('Closing Price (USD)')
plt.grid(True)
plt.show()
```

OUTPUT:

