5.Write a Pandas program to create a bar plot of the trading volume of Alphabet Inc. stock between two specific dates.

Code:

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5.py - C:/Users/keert/AppData/Local/Programs/Python/Python311/5.py (3.11.4)
File  Edit  Format  Run  Options  Window  Help
import pandas as pd
import yfinance as yf
import matplotlib.pyplot as plt

# Define the ticker symbol and the date range
ticker_symbol = 'GOOGL'
start_date = '2023-01-01'
end_date = '2023-03-01'

# Fetch the stock data
stock_data = yf.download(ticker_symbol, start=start_date, end=end_date)

# Ensure 'Date' is a column, not an index
stock_data.reset_index(inplace=True)

# Filter the data between the specific dates
filtered_data = stock_data[(stock_data['Date'] >= start_date) & (stock_data['Date'] <= end_date)]

# Create a bar plot of the trading volume
plt.figure(figsize=(12, 6))
plt.bar(filtered_data['Date'], filtered_data['Volume'])
plt.xlabel('Date')
plt.ylabel('Trading Volume')
plt.title(f'Trading Volume of {ticker_symbol} between {start_date} and {end_date}')
plt.xticks(rotation=45)
plt.tight_layout()
plt.show()
```

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OUTPUT: