4.Write a Pandas program to create a line plot of the historical stock prices of Alphabet Inc. between two specific dates.

<mark>CODE:</mark>

```
4.py - C:\Users\keert\AppData\Local\Programs\Python\Python311\query processing new\4.py (3.11.4)
File Edit Format Run Options Window Help
import yfinance as yf
import matplotlib.pyplot as plt

# Define the stock ticker symbol and the date range
ticker = 'GOOGL'
start_date = '2023-01-01'
end_date = '2023-12-31'

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

# Create a line plot of the closing stock prices
plt.figure(figsize=(10, 5))
plt.plot(stock_data.index, stock_data['Close'], label='Alphabet Inc. (GOOGL) Closing Price', color='blue')
plt.xlabel('Date')
plt.ylabel('Closing Price')
plt.title('Alphabet Inc. (GOOGL) Historical Stock Prices')
plt.legend()
plt.grid(True)
plt.show()
```

<mark>OUTPUT:</mark>