**EXPERIMENT-4**

**AIM:**

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

**PROGRAM:**

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.plot(stock\_data['Close'], label='GOOGL Close Price', color='b')

plt.title('Alphabet Inc. (GOOGL) Stock Prices')

plt.xlabel('Date')

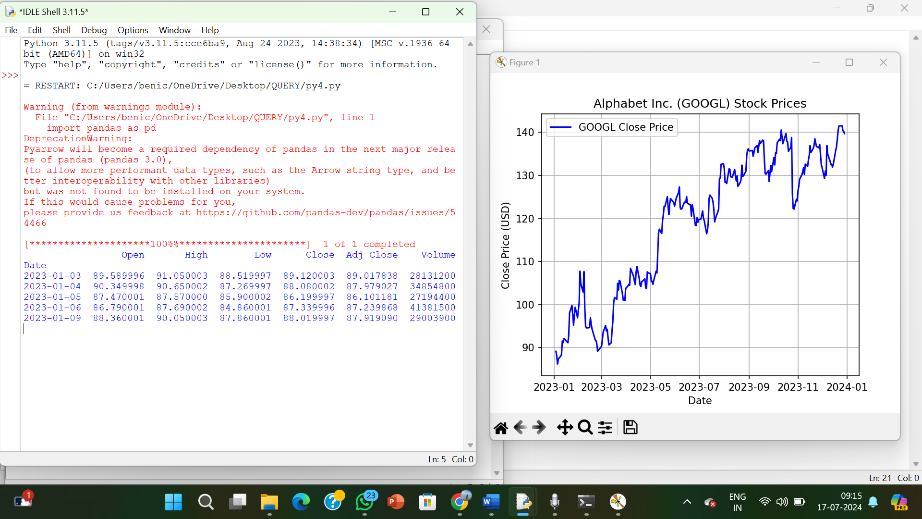
plt.ylabel('Close Price (USD)')

plt.legend()

plt.grid(True)

plt.show()

**OUTPUT:**

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**RESULT:**

The pythonprogram to create a line plot of the historical stock prices of Alphabet Inc. between two specific dates is executed and verified.