ventor/HOD.

126 write a pardas program to Courte a Scatter plot of the boading volume 1 stock puras of Alphabet Inc. stock between two grecific dates. Total and it protopics &

To Vesualize the relationship between the booking Volume and Stock puices of Alphabet inc. overa specific Home period using a scatter plot.

Pseudo Cooli: 0000000)

-> Import the pandas and necessary libroaries.

-> load the duta boading volume / stock posice of Alphabet

ilter the Dataparne by the barge of Data.

Labelthe axis and Hitle plot the Courtes plot.

-> Pisplay the plot.

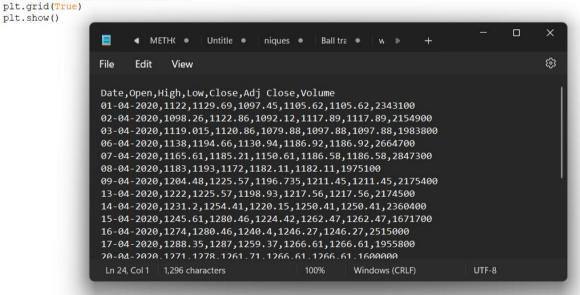
Sample input:

Pate	open	High	how	Close	Volume
01-6-2010	112	1129-69	1097.45	1105.62	232100
02-04-2020	1098.26	1126.86	1096.4	1120.84	1964900
					(Biis
0-05.200	1328.5	1352.87	1311	1320.61	2012500

Sample

wdeel to courgefacuty 8/11/2024. mentor/HOD. Sample output + after plot of the e . stock between 2.5 n the booling olera specific Win The Code is executed successfully and got the output boaries. eu of Alphabet write a pandas procogram to weak a pinot table and find Dafa. the macimum and minimum Sale Value of the items. tw plot. To Create a pinot table using pandas to find the maximum and minimum sales Valus of items in a sales data aful Volume table. pseudo Code: -> Impost the pandas libroary I boad the sales pata. Into the parolas dataframe -> Use pandas pivot table function to beale a pinot table pisplay the pivot table.

```
import pandas as pd
import matplotlib.pyplot as plt
# Load the CSV file containing stock data
alphabet stock data = pd.read csv("C:/Users/abhip/OneDrive/Documents/DSA05 LAB/alphabet.csv")
# Convert 'Date' to datetime format
alphabet stock data['Date'] = pd.to datetime(alphabet stock data['Date'], dayfirst=True)
# Filter data between specific dates
start date = '2020-04-01'
end date = '2020-05-01'
filtered data = alphabet stock data['Date'] >= start date) & (alphabet stock data['Date'] <= end date)]
# Create a scatter plot of trading volume vs stock price (Close)
plt.figure(figsize=(10, 6))
plt.scatter(filtered data['Volume'], filtered data['Close'], alpha=0.5)
                                                                                                         K Figure 1
plt.title('Alphabet Inc. Stock: Trading Volume vs Stock Price (April 2020)')
plt.xlabel('Trading Volume')
plt.ylabel('Stock Price (Close)')
```



plt.show()

