

21. Write a Pandas program to swap the cases of a specified character column in a given DataFrame.

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21. Pandas program to swap the cases of a specified character column in a given DataFrame.py - E:/QP/21. Pandas program to swap the cases of a specified character column in a given DataFrame.py (3.12.1)
File Edit Format Run Options Window Help
import pandas as pd

data = {
    'column1': ['Hello', 'World', 'Foo', 'BAR', 'Baz', 'quX']
}
df = pd.DataFrame(data)

print("Original DataFrame:")
print(df)

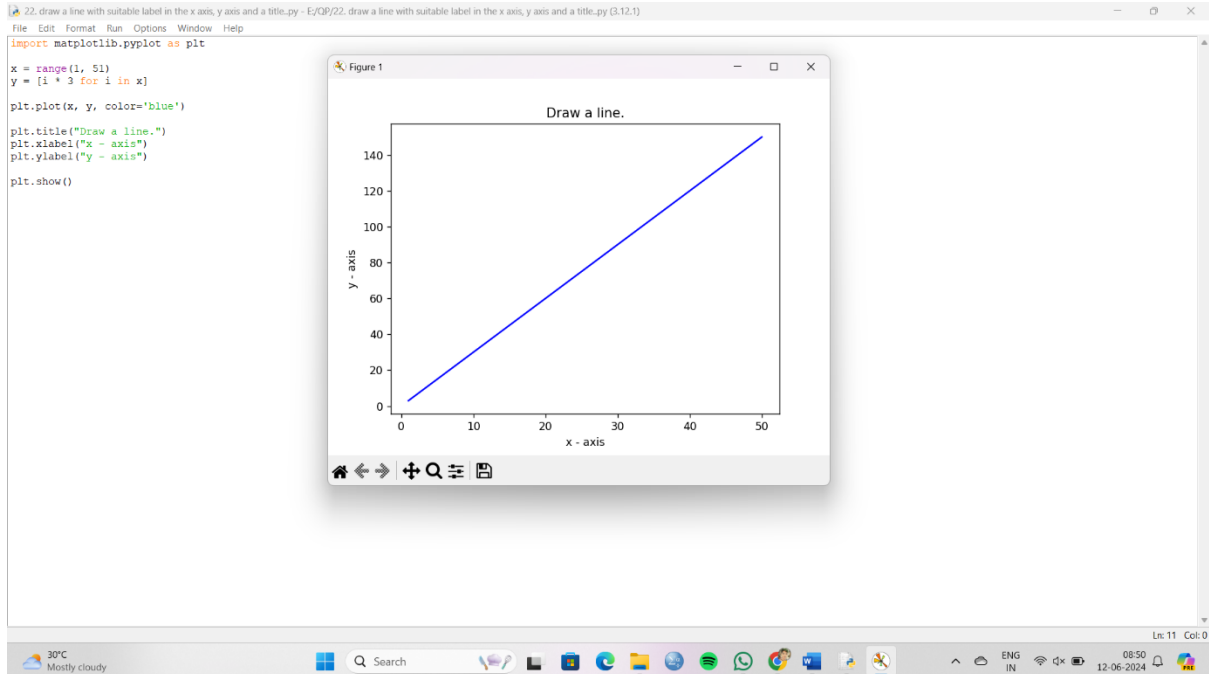
df['column1'] = df['column1'].str.swapcase()

print("\nDataFrame after swapping cases:")
print(df)
```

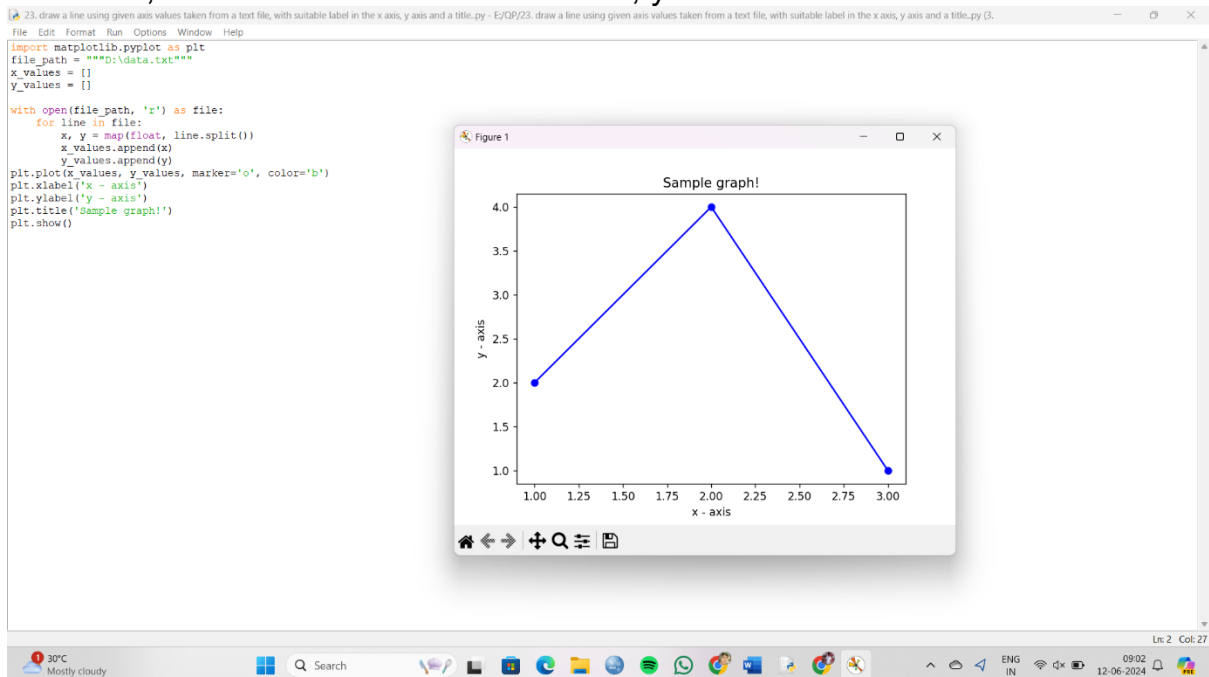
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IDLE Shell 3.12.1
File Edit Shell Debug Options Window Help
Python 3.12.1 (tags/v3.12.1:2305ca5, Dec 7 2023, 22:03:25) [MSC v.1937 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: E:/QP/21. Pandas program to swap the cases of a specified character c
column in a given DataFrame.py
Original DataFrame:
column1
0 Hello
1 World
2 Foo
3 BAR
4 Baz
5 quX

DataFrame after swapping cases:
column1
0 hELLO
1 wORLD
2 foo
3 bar
4 bAZ
5 qUx
>>>
```

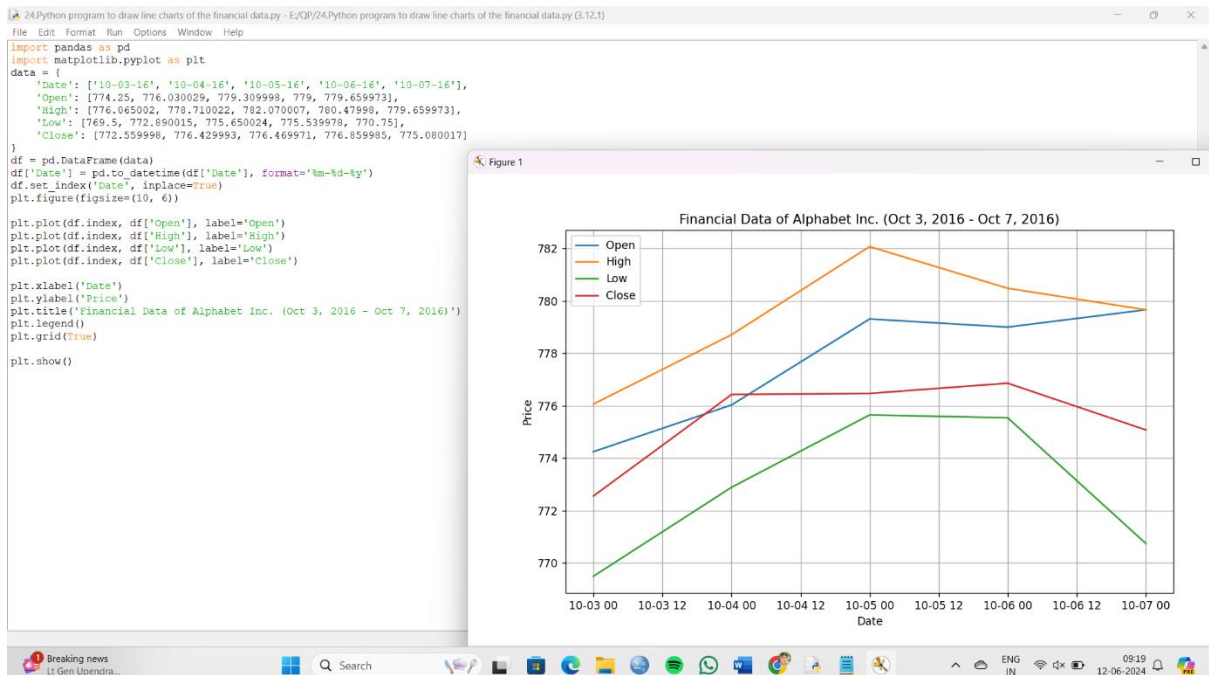
22. Write a Python program to draw a line with suitable label in the x axis, y axis and a title.



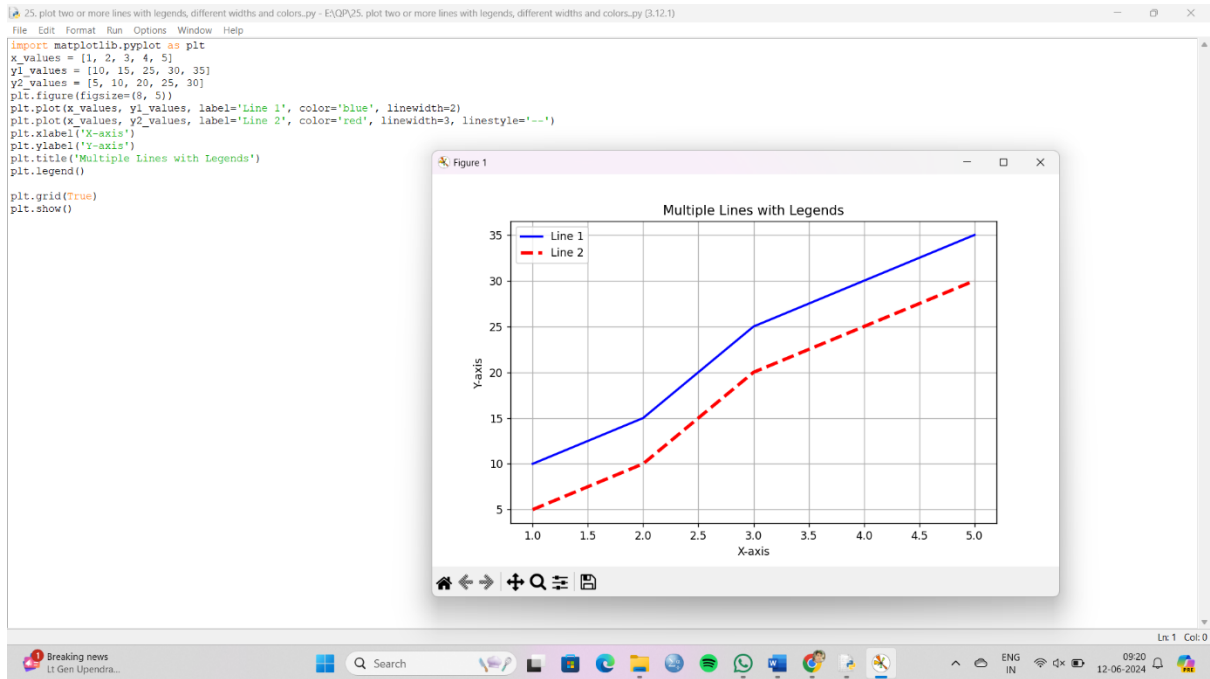
23. Write a Python program to draw a line using given axis values taken from a text file, with suitable label in the x axis, y axis and a title.



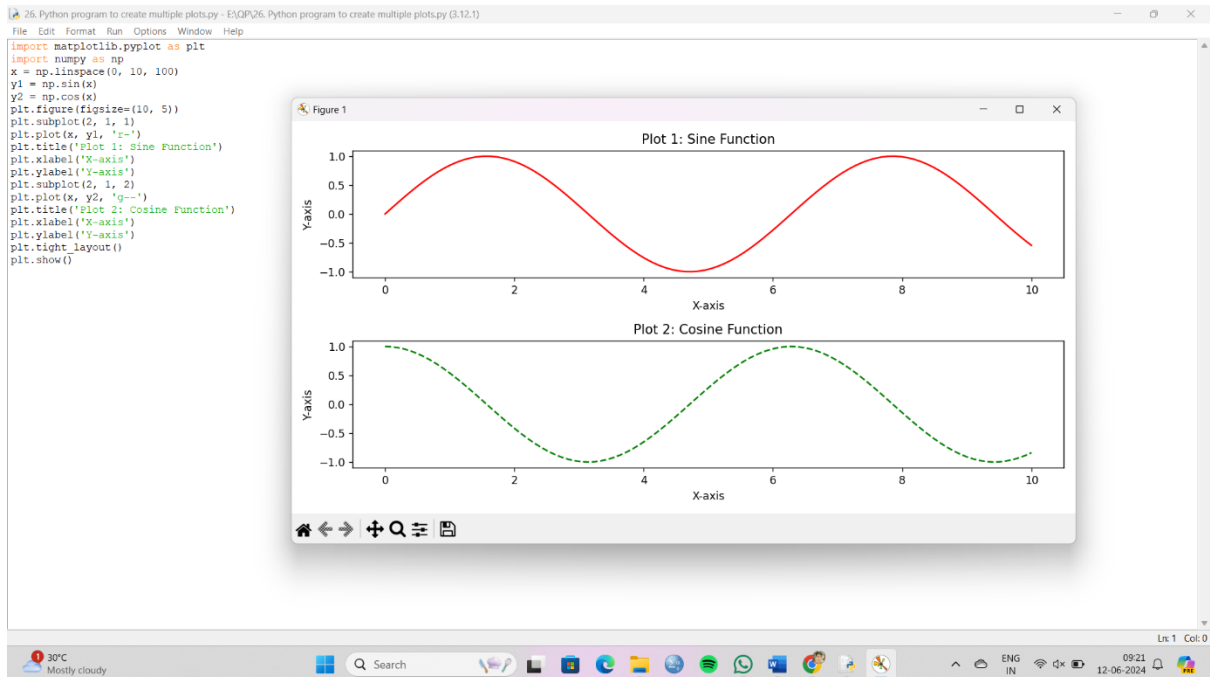
24. Write a Python program to draw line charts of the financial data of Alphabet Inc.



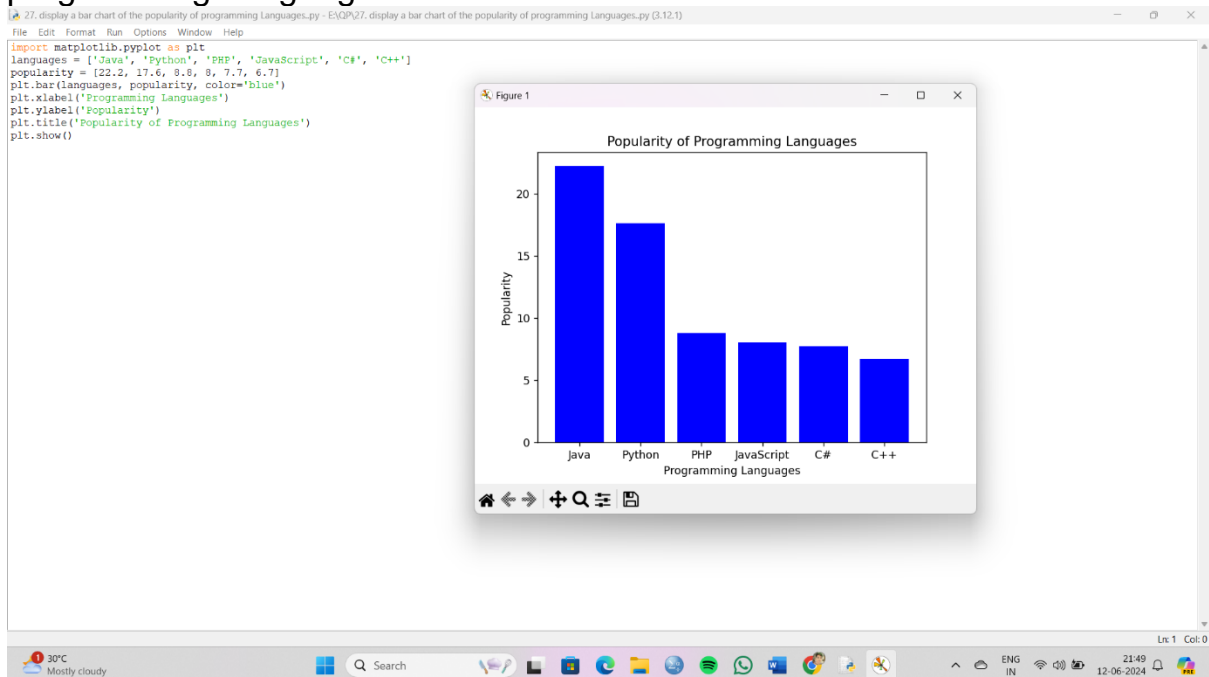
25. Write a Python program to plot two or more lines with legends, different widths and colors.



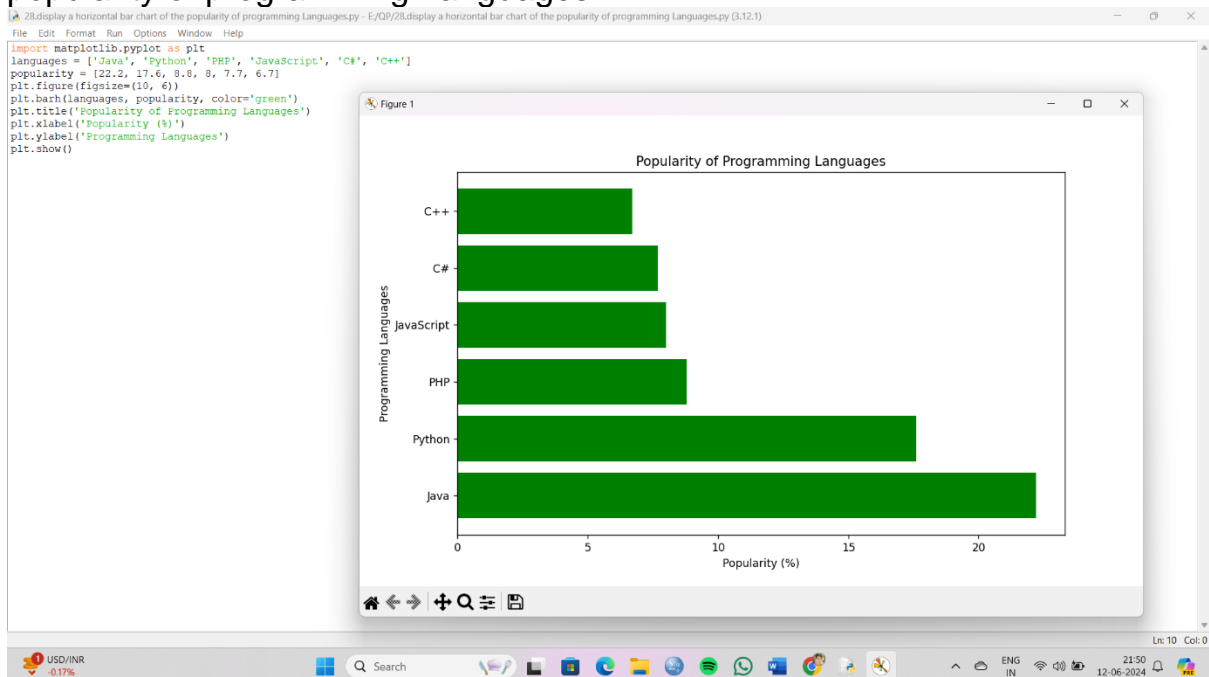
26. Write a Python program to create multiple plots.



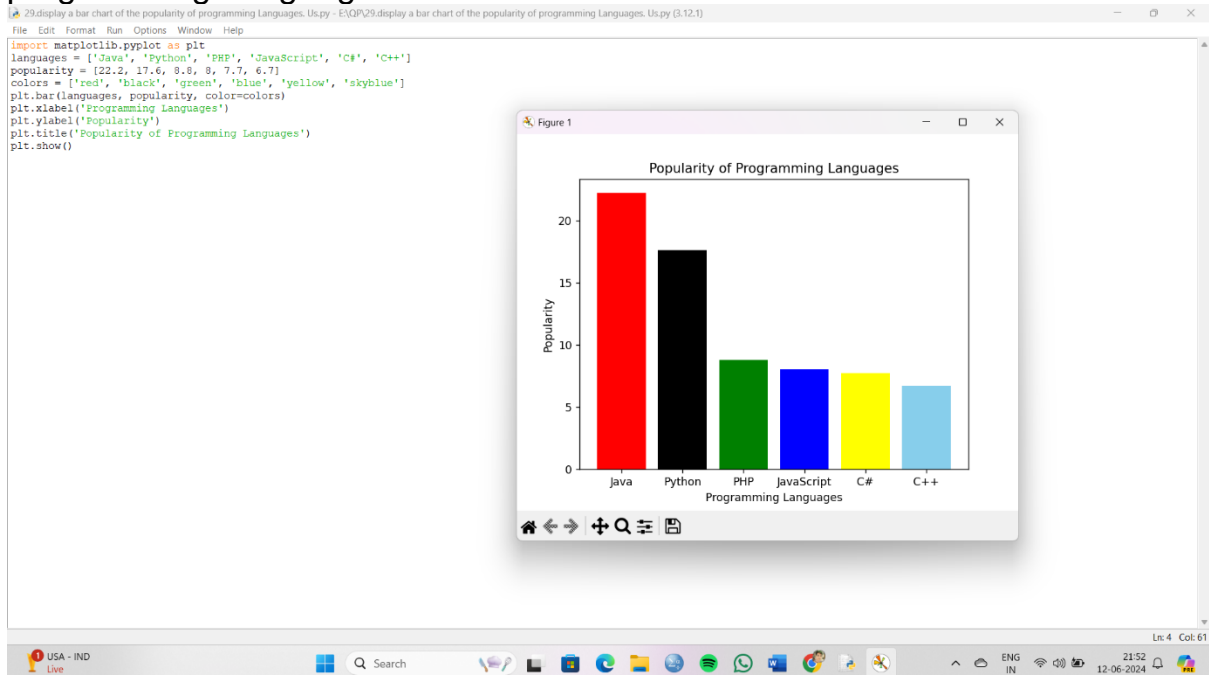
27. Write a Python programming to display a bar chart of the popularity of programming Languages.



28. Write a Python programming to display a horizontal bar chart of the popularity of programming Languages.



29. Write a Python programming to display a bar chart of the popularity of programming Languages. Use different color for each bar.



30. Write a Python program to create bar plot of scores by group and gender. Use multiple X values on the same chart for men and women.

