EXPERIMENT - 21

Aim: To execute pandas program to swap the cases of specified character column in DataFrame

Pseudocode:

1) Initialize the DataFrame with character data
2) Define a function swap_case (df, column_name).
3) check values if string swap lower to upper vice versa
4) Call swapcase () and display.

Sample Input:

Sample dataframe of (Name and city)

Sample output:

name	city
Alice	NEW YORK
Bob	CHICAGO

Result:

Therefore the pandas program for swap cases) executed successfully.

colab.research.google.com/drive/1ljy6pvQiHiMEA98BYzwJO_yko-ooQjmu#scrollTo=pTjSxxN4sQQV

query lab

File Edit View Insert Runtime Tools Help Last saved at 10:57

+ Code   + Text

Connect   Gemini

```
print(df)
```

```
       Name         City
0     Alice     nEW yORK
1       Bob  lOS aNGELES
2   Charlie      cHICAGO
3     David      hOUSTON
```

```python
import matplotlib.pyplot as plt

# Sample data for the line plot
x = [1, 2, 3, 4, 5]
y = [2, 4, 6, 8, 10]

# Create the line plot
plt.plot(x, y)

# Adding labels and title
plt.xlabel('X-axis Label')  # Label for x-axis
plt.ylabel('Y-axis Label')  # Label for y-axis
plt.title('Line Plot Title')  # Title of the plot
```