Aim: To write a pandas program to swap the cases of a specified character column in a given dataframe
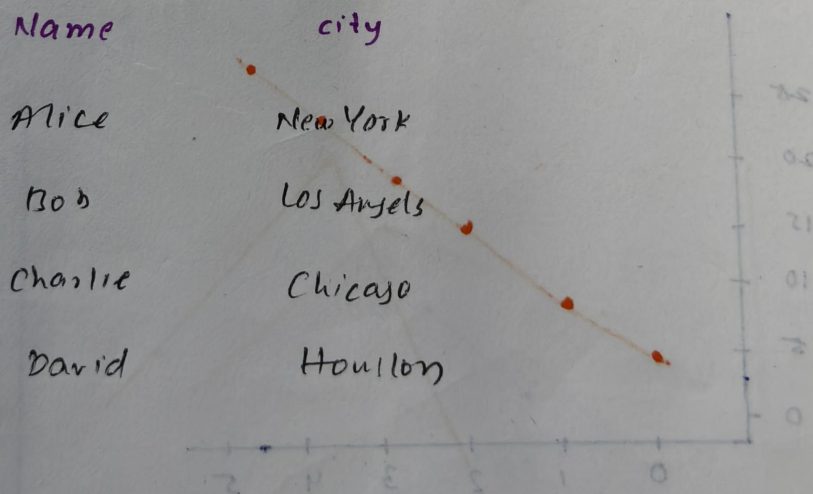
pseudocode:

+ import the pandas library to work with Dataframes

+ create a sample dataframe with a character column

+ choose the column where you want to swap the cases

+ use the apply() function with a lampha function to swap cases in the specified column

+ Display the Dataframes

sample input:

data = { 'Name': ['Alice', 'Bob', 'Charlie', 'David']

'city': ['Newyork', 'Los Angels', 'Chicago', 'Houston'] }

sample output:

Name	city
Alice	New York
Bob	Los Angels
Charlie	Chicago
David	Houston

Result:

This code was successfully implemented and got the output

```python
import pandas as pd

# Sample data
data = {'Name': ['Alice', 'Bob', 'Catherine', 'David']}
df = pd.DataFrame(data)

# Swapping cases in the 'Name' column
df['Name'] = df['Name'].str.swapcase()

# Displaying the DataFrame
print(df)
```

```
        Name
0      aLICE
1        bOB
2  CATHERINE
3      dAVID
```