In [4]: `#pip install pandas`

```
Requirement already satisfied: pandas in /opt/anaconda3/lib/python3.12/site
-packages (2.2.2)
Requirement already satisfied: numpy>=1.26.0 in /opt/anaconda3/lib/python3.
12/site-packages (from pandas) (1.26.4)
Requirement already satisfied: python-dateutil>=2.8.2 in /opt/anaconda3/li
b/python3.12/site-packages (from pandas) (2.9.0.post0)
Requirement already satisfied: pytz>=2020.1 in /opt/anaconda3/lib/python3.1
2/site-packages (from pandas) (2024.1)
Requirement already satisfied: tzdata>=2022.7 in /opt/anaconda3/lib/python
3.12/site-packages (from pandas) (2023.3)
Requirement already satisfied: six>=1.5 in /opt/anaconda3/lib/python3.12/si
te-packages (from python-dateutil>=2.8.2->pandas) (1.16.0)
Note: you may need to restart the kernel to use updated packages.
```

In [9]:
```
pip install nbconvert
```

```
Requirement already satisfied: nbconvert in /opt/anaconda3/lib/python3.12/s
ite-packages (7.16.4)
Requirement already satisfied: beautifulsoup4 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (4.12.3)
Requirement already satisfied: bleach!=5.0.0 in /opt/anaconda3/lib/python3.
12/site-packages (from nbconvert) (4.1.0)
Requirement already satisfied: defusedxml in /opt/anaconda3/lib/python3.12/
site-packages (from nbconvert) (0.7.1)
Requirement already satisfied: jinja2>=3.0 in /opt/anaconda3/lib/python3.1
2/site-packages (from nbconvert) (3.1.4)
Requirement already satisfied: jupyter-core>=4.7 in /opt/anaconda3/lib/pyth
on3.12/site-packages (from nbconvert) (5.7.2)
Requirement already satisfied: jupyterlab-pygments in /opt/anaconda3/lib/py
thon3.12/site-packages (from nbconvert) (0.1.2)
Requirement already satisfied: markupsafe>=2.0 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (2.1.3)
Requirement already satisfied: mistune<4,>=2.0.3 in /opt/anaconda3/lib/pyth
on3.12/site-packages (from nbconvert) (2.0.4)
Requirement already satisfied: nbclient>=0.5.0 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (0.8.0)
Requirement already satisfied: nbformat>=5.7 in /opt/anaconda3/lib/python3.
12/site-packages (from nbconvert) (5.10.4)
Requirement already satisfied: packaging in /opt/anaconda3/lib/python3.12/s
ite-packages (from nbconvert) (24.1)
Requirement already satisfied: pandocfilters>=1.4.1 in /opt/anaconda3/lib/p
ython3.12/site-packages (from nbconvert) (1.5.0)
Requirement already satisfied: pygments>=2.4.1 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (2.15.1)
Requirement already satisfied: tinycss2 in /opt/anaconda3/lib/python3.12/si
te-packages (from nbconvert) (1.2.1)
Requirement already satisfied: traitlets>=5.1 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (5.14.3)
Requirement already satisfied: six>=1.9.0 in /opt/anaconda3/lib/python3.12/
site-packages (from bleach!=5.0.0->nbconvert) (1.16.0)
Requirement already satisfied: webencodings in /opt/anaconda3/lib/python3.1
2/site-packages (from bleach!=5.0.0->nbconvert) (0.5.1)
Requirement already satisfied: platformdirs>=2.5 in /opt/anaconda3/lib/pyth
on3.12/site-packages (from jupyter-core>=4.7->nbconvert) (3.10.0)
Requirement already satisfied: jupyter-client>=6.1.12 in /opt/anaconda3/li
b/python3.12/site-packages (from nbclient>=0.5.0->nbconvert) (8.6.0)
Requirement already satisfied: fastjsonschema>=2.15 in /opt/anaconda3/lib/p
ython3.12/site-packages (from nbformat>=5.7->nbconvert) (2.16.2)
Requirement already satisfied: jsonschema>=2.6 in /opt/anaconda3/lib/python
3.12/site-packages (from nbformat>=5.7->nbconvert) (4.23.0)
Requirement already satisfied: soupsieve>1.2 in /opt/anaconda3/lib/python3.
12/site-packages (from beautifulsoup4->nbconvert) (2.5)
Requirement already satisfied: attrs>=22.2.0 in /opt/anaconda3/lib/python3.
12/site-packages (from jsonschema>=2.6->nbformat>=5.7->nbconvert) (23.1.0)
Requirement already satisfied: jsonschema-specifications>=2023.03.6 in /op
t/anaconda3/lib/python3.12/site-packages (from jsonschema>=2.6->nbformat>=
5.7->nbconvert) (2023.7.1)
Requirement already satisfied: referencing>=0.28.4 in /opt/anaconda3/lib/py
thon3.12/site-packages (from jsonschema>=2.6->nbformat>=5.7->nbconvert) (0.
30.2)
Requirement already satisfied: rpds-py>=0.7.1 in /opt/anaconda3/lib/python
3.12/site-packages (from jsonschema>=2.6->nbformat>=5.7->nbconvert) (0.10.
6)
```

```
Requirement already satisfied: python-dateutil>=2.8.2 in /opt/anaconda3/li
b/python3.12/site-packages (from jupyter-client>=6.1.12->nbclient>=0.5.0->n
bconvert) (2.9.0.post0)
Requirement already satisfied: pyzmq>=23.0 in /opt/anaconda3/lib/python3.1
2/site-packages (from jupyter-client>=6.1.12->nbclient>=0.5.0->nbconvert)
(25.1.2)
Requirement already satisfied: tornado>=6.2 in /opt/anaconda3/lib/python3.1
2/site-packages (from jupyter-client>=6.1.12->nbclient>=0.5.0->nbconvert)
(6.4.1)
Note: you may need to restart the kernel to use updated packages.
```

In [ ]:
```
pip install nbconvert
```

In [11]:
```
pip install nbconvert
```

```
Requirement already satisfied: nbconvert in /opt/anaconda3/lib/python3.12/s
ite-packages (7.16.4)
Requirement already satisfied: beautifulsoup4 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (4.12.3)
Requirement already satisfied: bleach!=5.0.0 in /opt/anaconda3/lib/python3.
12/site-packages (from nbconvert) (4.1.0)
Requirement already satisfied: defusedxml in /opt/anaconda3/lib/python3.12/
site-packages (from nbconvert) (0.7.1)
Requirement already satisfied: jinja2>=3.0 in /opt/anaconda3/lib/python3.1
2/site-packages (from nbconvert) (3.1.4)
Requirement already satisfied: jupyter-core>=4.7 in /opt/anaconda3/lib/pyth
on3.12/site-packages (from nbconvert) (5.7.2)
Requirement already satisfied: jupyterlab-pygments in /opt/anaconda3/lib/py
thon3.12/site-packages (from nbconvert) (0.1.2)
Requirement already satisfied: markupsafe>=2.0 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (2.1.3)
Requirement already satisfied: mistune<4,>=2.0.3 in /opt/anaconda3/lib/pyth
on3.12/site-packages (from nbconvert) (2.0.4)
Requirement already satisfied: nbclient>=0.5.0 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (0.8.0)
Requirement already satisfied: nbformat>=5.7 in /opt/anaconda3/lib/python3.
12/site-packages (from nbconvert) (5.10.4)
Requirement already satisfied: packaging in /opt/anaconda3/lib/python3.12/s
ite-packages (from nbconvert) (24.1)
Requirement already satisfied: pandocfilters>=1.4.1 in /opt/anaconda3/lib/p
ython3.12/site-packages (from nbconvert) (1.5.0)
Requirement already satisfied: pygments>=2.4.1 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (2.15.1)
Requirement already satisfied: tinycss2 in /opt/anaconda3/lib/python3.12/si
te-packages (from nbconvert) (1.2.1)
Requirement already satisfied: traitlets>=5.1 in /opt/anaconda3/lib/python
3.12/site-packages (from nbconvert) (5.14.3)
Requirement already satisfied: six>=1.9.0 in /opt/anaconda3/lib/python3.12/
site-packages (from bleach!=5.0.0->nbconvert) (1.16.0)
Requirement already satisfied: webencodings in /opt/anaconda3/lib/python3.1
2/site-packages (from bleach!=5.0.0->nbconvert) (0.5.1)
Requirement already satisfied: platformdirs>=2.5 in /opt/anaconda3/lib/pyth
on3.12/site-packages (from jupyter-core>=4.7->nbconvert) (3.10.0)
Requirement already satisfied: jupyter-client>=6.1.12 in /opt/anaconda3/li
b/python3.12/site-packages (from nbclient>=0.5.0->nbconvert) (8.6.0)
Requirement already satisfied: fastjsonschema>=2.15 in /opt/anaconda3/lib/p
ython3.12/site-packages (from nbformat>=5.7->nbconvert) (2.16.2)
Requirement already satisfied: jsonschema>=2.6 in /opt/anaconda3/lib/python
3.12/site-packages (from nbformat>=5.7->nbconvert) (4.23.0)
Requirement already satisfied: soupsieve>1.2 in /opt/anaconda3/lib/python3.
12/site-packages (from beautifulsoup4->nbconvert) (2.5)
Requirement already satisfied: attrs>=22.2.0 in /opt/anaconda3/lib/python3.
12/site-packages (from jsonschema>=2.6->nbformat>=5.7->nbconvert) (23.1.0)
Requirement already satisfied: jsonschema-specifications>=2023.03.6 in /op
t/anaconda3/lib/python3.12/site-packages (from jsonschema>=2.6->nbformat>=
5.7->nbconvert) (2023.7.1)
Requirement already satisfied: referencing>=0.28.4 in /opt/anaconda3/lib/py
thon3.12/site-packages (from jsonschema>=2.6->nbformat>=5.7->nbconvert) (0.
30.2)
Requirement already satisfied: rpds-py>=0.7.1 in /opt/anaconda3/lib/python
3.12/site-packages (from jsonschema>=2.6->nbformat>=5.7->nbconvert) (0.10.
6)
```

```
Requirement already satisfied: python-dateutil>=2.8.2 in /opt/anaconda3/li
b/python3.12/site-packages (from jupyter-client>=6.1.12->nbclient>=0.5.0->n
bconvert) (2.9.0.post0)
Requirement already satisfied: pyzmq>=23.0 in /opt/anaconda3/lib/python3.1
2/site-packages (from jupyter-client>=6.1.12->nbclient>=0.5.0->nbconvert)
(25.1.2)
Requirement already satisfied: tornado>=6.2 in /opt/anaconda3/lib/python3.1
2/site-packages (from jupyter-client>=6.1.12->nbclient>=0.5.0->nbconvert)
(6.4.1)
Note: you may need to restart the kernel to use updated packages.
```

In [1]:
```python
import nbconvert
```

In [3]:
```python
import pandas as pd
```

In [5]:
```python
from random import choice
import requests
import pandas as pd
animes = [['The Wilson NYC', '30km', 'happy','Manhattan'], ['Friedman Herald
    ,['Aurora Brooklyn','50km','cool','Brooklyn'], ['The Norm','40km','fanta
```

In [ ]:
```python
#depending on the mood, it picks certain Locations:
mood = input('what is your mood: you can say happy, angered, mad, cool, fant
```

In [11]:
```python
#making sure everything is Lower cased.
if mood.isupper() == True:
    mood = mood.str.lower()
```

In [13]:
```python
#randomly picks types of desserts to have:
desserts = ['cake','ice cream','donut', 'banana','strawberry','cookies','pas
print ('For the dessert, you can have :' + choice(desserts))
```

```
For the dessert, you can have :deep-fried
```

```
In [15]:  #depending on the location, gives a recomendation of advice.
          for item in animes:
              if item[2] == mood: #capture the restaurant depending on mood.
                  print(mood + ' for ' + item[0])
                  if item[3] == 'Brooklyn':
                      print('Brooklyn is popular for following good public regulations
                  if item[3] == 'Manhattan':
                      print('Be cautious that restaurants here in Manhattan do not fol
                  if item[3] == 'Queens':
                      print('Queens areas are known for regularly following rules. ')
```

```
sad for Buttermilk Channel
Brooklyn is popular for following good public regulations
```

```
In [17]:  url = 'https://data.cityofnewyork.us/resource/4dx7-axux.json'
          r = requests.get(url) #fetches the url.
          json = r.json() #makes into json file.
          dataframe= pd.DataFrame(json)
```

```
In [18]:  Manhattan = dataframe.loc[dataframe['borough'] == 'Manhattan']
          Manhattan_deactivated = Manhattan.loc[Manhattan['isroadwaycompliant'] == 'Su
          Brooklyn = dataframe.loc[dataframe['borough'] == 'Brooklyn']
          Brooklyn_deactivated = Brooklyn.loc[Brooklyn['isroadwaycompliant'] == 'Suspe
          Queens = dataframe.loc[dataframe['borough'] == 'Queens']
          Queens_deactivated = Queens.loc[Queens['isroadwaycompliant'] == 'Suspended a
          number_of_deactivated_manhattan = Manhattan.loc[Manhattan['isroadwaycomplian
          number_of_deactivated_Brooklyn = Brooklyn.loc[Brooklyn['isroadwaycompliant']
          number_of_deactivated_Queens = Queens.loc[Queens['isroadwaycompliant'] == 'S
```

```
In [21]:  number_of_deactivated_manhattan= number_of_deactivated_manhattan['isroadwayc
          number_of_deactivated_Brooklyn= number_of_deactivated_Brooklyn['isroadwaycom
          number_of_deactivated_Queens= number_of_deactivated_Queens['isroadwaycomplia
```

```
In [23]:  print(f"{number_of_deactivated_manhattan} is the number of the manhattan sto
```

```
16 is the number of the manhattan stores that got deactivatd, 13 is the num
ber of stores for brooklyn, 4 is the number of stores for queens
```

```
In [25]:  import requests
```

In [27]:
```python
apiKey = "6b33f051589ba43cfca53d2e337d4b5f"
baseURL = "https://api.openweathermap.org/data/2.5/weather?q="
cityName = input("Enter your city : ex) type New York City")
completeURL = baseURL + cityName + "&appid=" + apiKey
response = requests.get(completeURL)
data =response.json()
```

Enter your city : ex) type New York City New York City

In [29]:
```python
current = int(data["main"]["temp"])-273.15
feels_like = int(data["main"]["feels_like"])-273.15
maximum_temperature = int(data["main"]["temp_max"])-273.15
minimum_temperature = int(data["main"]["temp_min"])-273.15
print(f"Hello, current temperature in new york city is: {current} and feels
```

Hello, current temperature in new york city is: 12.850000000000023 and feel
s like 11.850000000000023 while maximum temperature is: 12.850000000000023
and minimum temperature is: 10.850000000000023

In [ ]: