In [ ]:
```
! pip install citipy
```

In [24]:
```python
# Dependencies and Setup
import matplotlib.pyplot as plt
import pandas as pd
import numpy as np
import requests
import time

# Import API key
from api_keys import api_key
#api_key="44b145ebece3eec083efded03f48c106"
# Incorporated citipy to determine city based on latitude and longitude
from citipy import citipy
```

In [41]:
```python
city = citipy.nearest_city(12.972442, 77.580643)
city
print(api_key)
city.city_name
```

44b145ebece3eec083efded03f48c106

Out[41]: 'bangalore'

In [35]:
```python
cities = ['bangalore']
units = "metric"
temp=[]
```

In [46]:
```python
url = "http://api.openweathermap.org/data/2.5/weather/"
query_url = f'{url}appid={api_key}&units={units}&q='

for city in cities:
    response = requests.get(query_url + city).json()
    print(response)
```

{'cod': 401, 'message': 'Invalid API key. Please see http://openweathermap.or
g/faq#error401 for more info.'}

In [43]:

{'cod': 401, 'message': 'Invalid API key. Please see http://openweathermap.or
g/faq#error401 for more info.'}

In [ ]:
```python
#     lat.append(response['coord']['lat'])
    temp.append(response['main']['temp'])
```

In [ ]: