first of all , use the sql statement to retrive the dataset select * from city_data select * from city_list select * from global_data

import library that need, in our case is pandas

```
import pandas as pd
import matplotlib.pyplot as plt
```

now, going to read the data from csv files

```
city_data=pd.read_csv('/content/city_data.csv')
city_list=pd.read_csv('/content/city_list.csv')
global_data=pd.read_csv('/content/global_data.csv')
```

```
city_data.head()
```

	year	city	country	avg_temp
0	1849	Abidjan	Côte D'Ivoire	1849
1	1850	Abidjan	Côte D'Ivoire	1850
2	1851	Abidjan	Côte D'Ivoire	1851
4	1853	Abidjan	Côte D'Ivoire	1853

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```
city_list.head()
```

	city	country
0	Abidjan	Côte D'Ivoire
1	Abu Dhabi	United Arab Emirates
2	Abuja	Nigeria
3	Accra	Ghana
4	Adana	Turkey

```
global_data.head()
```

	year	avg_temp
0	1750	8.72
1	1751	7.98
2	1752	5.78
3	1753	8.39
4	1754	8.47

```
mean=city_data['avg_temp'].mean()
```

Riyadh

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```
city_data['avg_temp']=city_data.fillna(mean)
```

```
Riyadh=city_data[(city_data.city=='Riyadh')]
Riyadh['avg_temp'].head(5)
```

```
55238    1843
55239    1844
55240    1845
55241    1846
55242    1847
Name: avg_temp, dtype: object
```

```
Abu_Dhabi=city_data[(city_data.city=='Abu Dhabi')]
Abu_Dhabi['avg_temp'].head()
```

```
165    1843
166    1844
167    1845
168    1846
169    1847
Name: avg_temp, dtype: object
```

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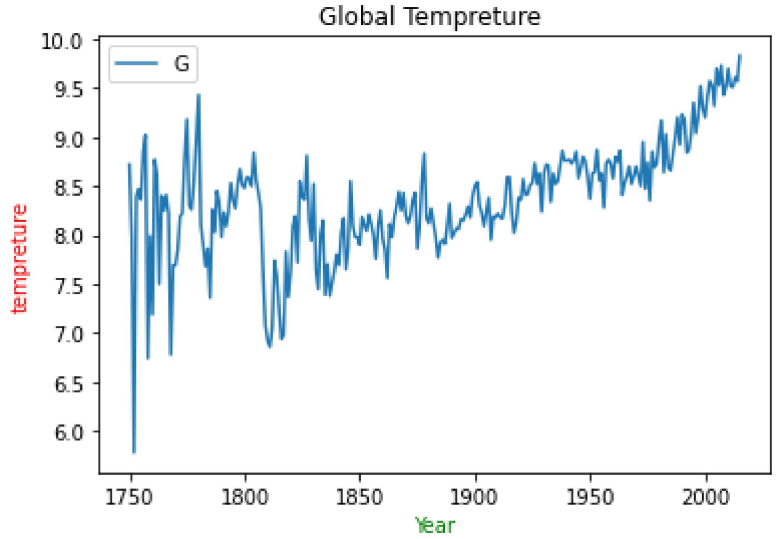
```
from matplotlib import colors
x=global_data['year']
y=global_data['avg_temp']
```

```
plt.plot(x,y)
plt.title('Global Tempreture')
plt.xlabel('Year',color='G')
plt.ylabel('tempreture',color='r')
plt.legend('Global_tempreture')
```

```
<matplotlib.legend.Legend at 0x7f141096c2d0>
```



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