In [14]:

```
import pandas as pd # for dealing with data!
import matplotlib.pyplot as plt # for visualizing the data!
import numpy as np# for calculating the moving average!
```

In [15]:

```
globaltemp = pd.read_csv('global data.csv') # importing 'global tempreature data'
citytemp = pd.read_csv('city1 data.csv') # importing 'city tempreature data' which is a data for one city over
 multiple year.
```

In [16]:

```
glb_mv_avg = globaltemp['avg_temp'].rolling(10).mean()
local_mv_avg = citytemp['avg_temp'].rolling(10).mean()
```

In [17]:

```
glb_mv_avg = globaltemp['avg_temp'].rolling(10).mean()
local_mv_avg = citytemp['avg_temp'].rolling(10).mean()
```

In [18]:

```
#Local Data is as same as Cairo
plt.plot(globaltemp['year'],glb_mv_avg,label='Global')
plt.plot(citytemp['year'],local_mv_avg,label='Agra')
plt.legend()
plt.xlabel("Years")
plt.ylabel("Temperature (°C)")
plt.title("Agra City Average Temperature")
plt.show()
```