Explore Weather Trends

First I used following SQL query to extract global temperature data:

```
select *

from global_data;
```

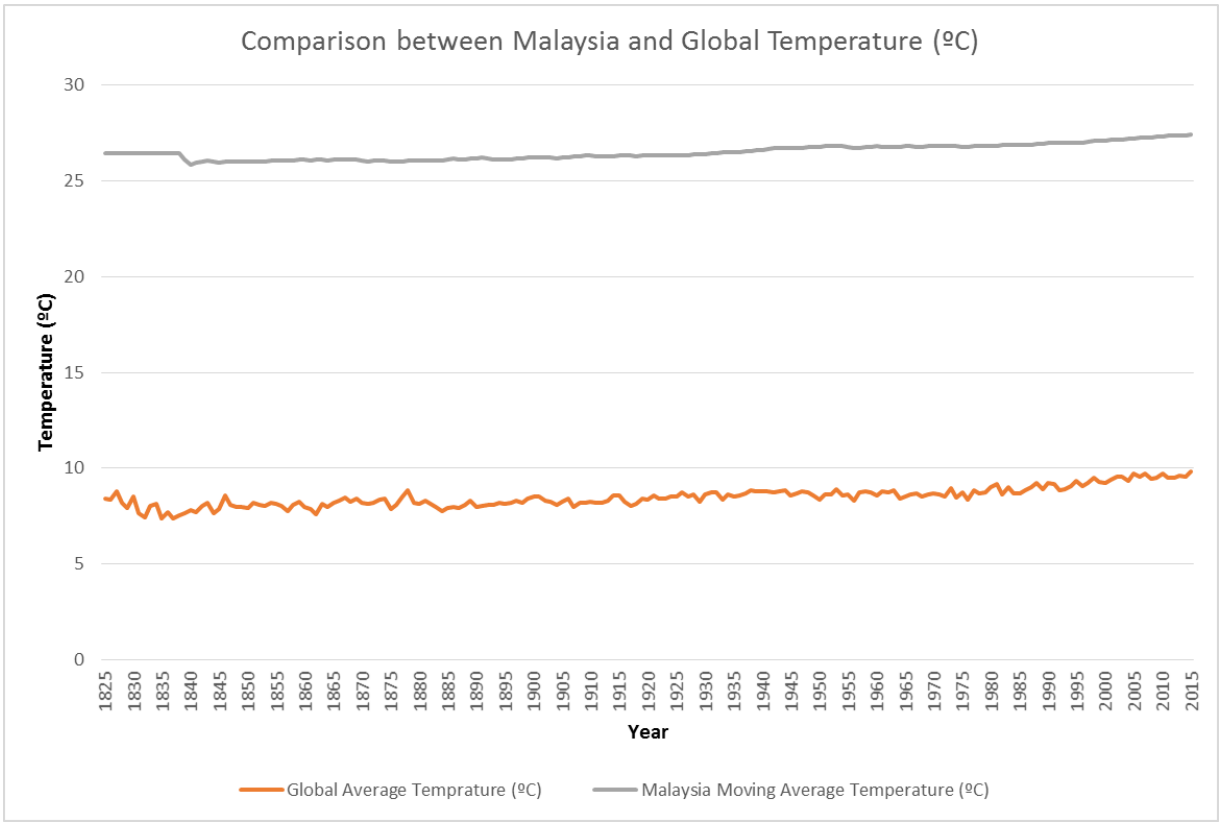
Then I used SQL query below to extract my country Malaysia temperature data:

```
select *

from city_data

where country like '%Malaysia%' and city like '%Kuala Lumpur%';
```

Next I combined both data in csv format. I realized my country Malaysia only got data start from year 1825 so I decided to make comparison with global data start from year 1825 to 2015.

At the same time for my country Malaysia dataset consists missing data for certain year example 1826-1838, 1848, 1849 and etc. I used excel average formula to calculate the moving average for 15 years in order to smooth out the line.

Here the line chart as a result:



Observation:

1. Malaysia is tropical country so the temperature is hotter compare to average global temperature.
2. The temperature different between global and Malaysia is around 17 degree and the differences is quite consistent over the year.
3. The change of temperature in Malaysia is gradually increasing where the change of temperature in global fluctuated in certain period of time.
4. Overall the trend line for the global temperature is increasing so the world is getting warmer. However certain period of time we can see the global temperature do decreasing and this show the fluctuation of the trend in that period.