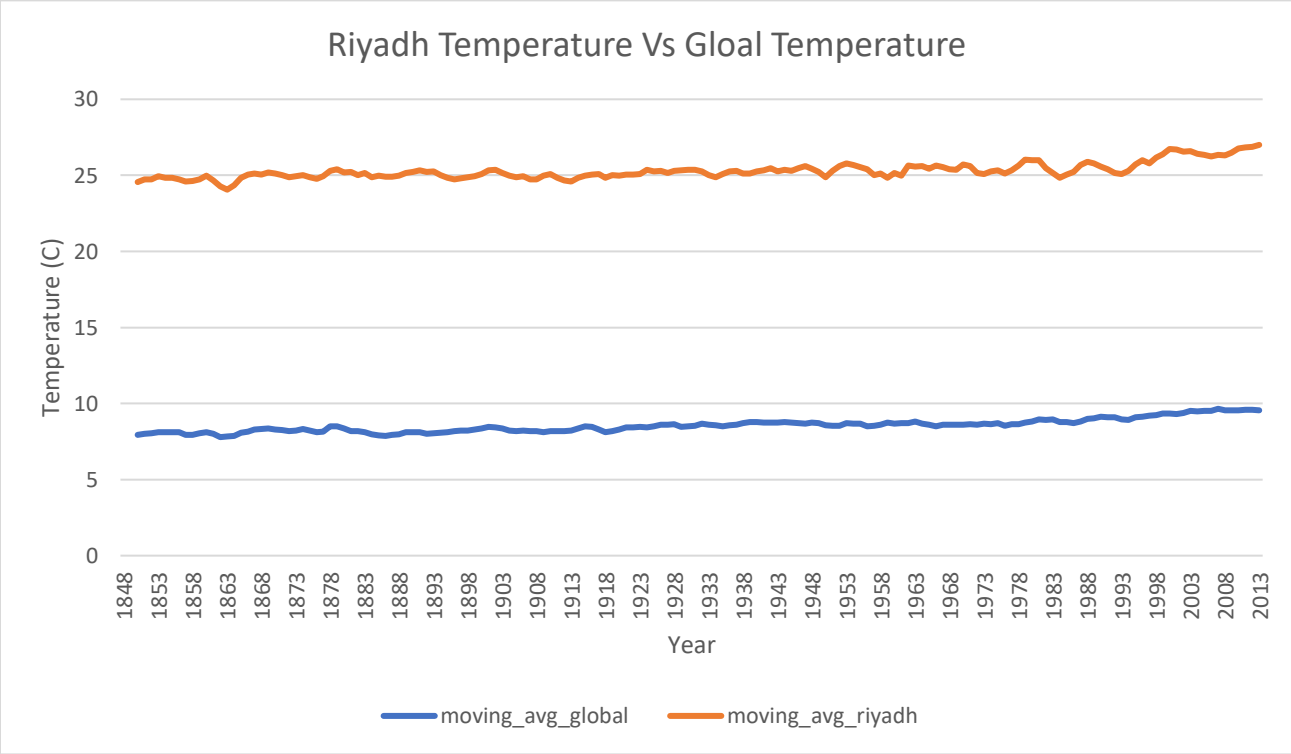
I extracted the data using **" select city_data.year,global_data.avg_temp as global_avg_temp,city_data.avg_temp as riyadh_avg_temp from global_data join city_data on global_data.year = city_data.year where city_data.city='Riyadh';"** SQL statement

I used **Excel sheets** to manipulate data and calculate moving average.

The interval of data given is [1843 – 2013]. I deleted the first five years (1843 to 1847) since two of them are null.

I chose the interval of 3 years and this is the graph.



Observations:

- Riyadh average temperature is much higher than Global average temperature which means its hotter.
- Along 130 years [1848 – 1978] there was no major difference in average temperature.
- In the last 15 years (since 1998), the global average temperature is getting higher fast, and the slop is positive, which means the global warming will increase.
- Global moving average temperature is more stable than Riyadh moving average temperature because the size of area they represent.