Extract the data:

1. Extraction of closest city data from city_data schema:

-> select * from city_data where city = 'Bangalore'

2. Extract the averages of temperatures of your city and that of the world:

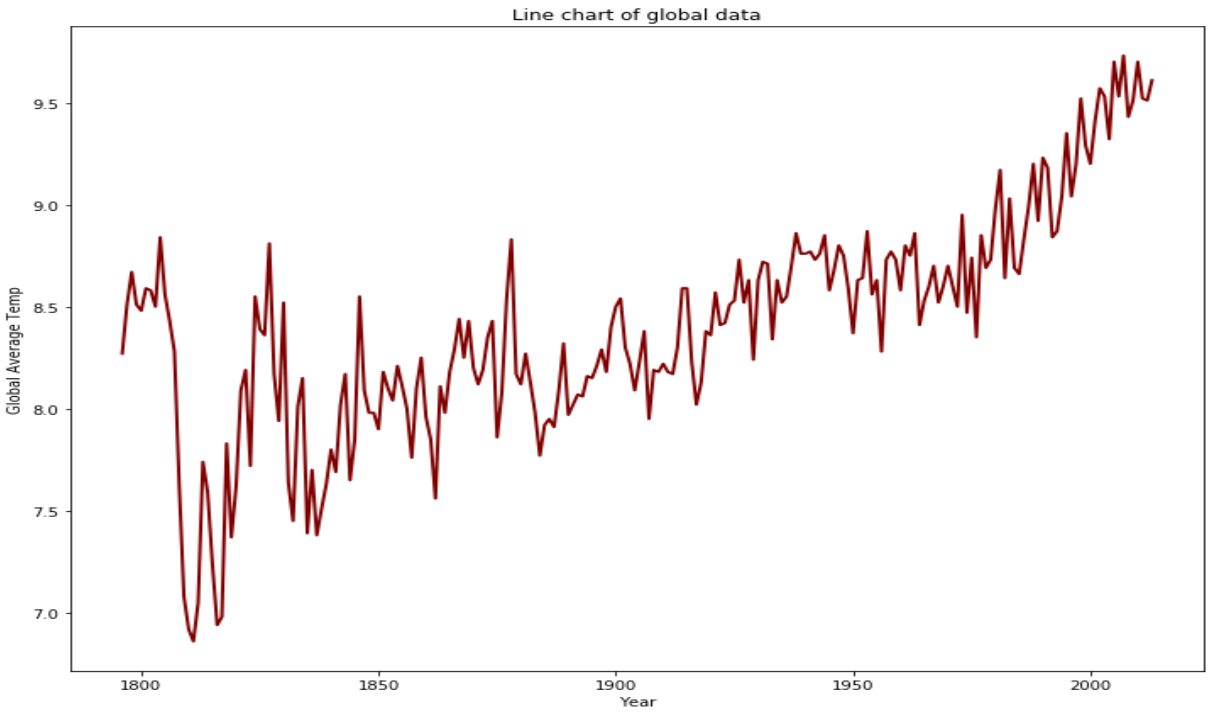
-> select city_data.year,city_data.city,city_data.avg_temp as city_avg , global_data.avg_temp as global_avg from global_data join city_data on global_data.year = city_data.year where city_data.city = 'Bangalore'

Open up the CSV:

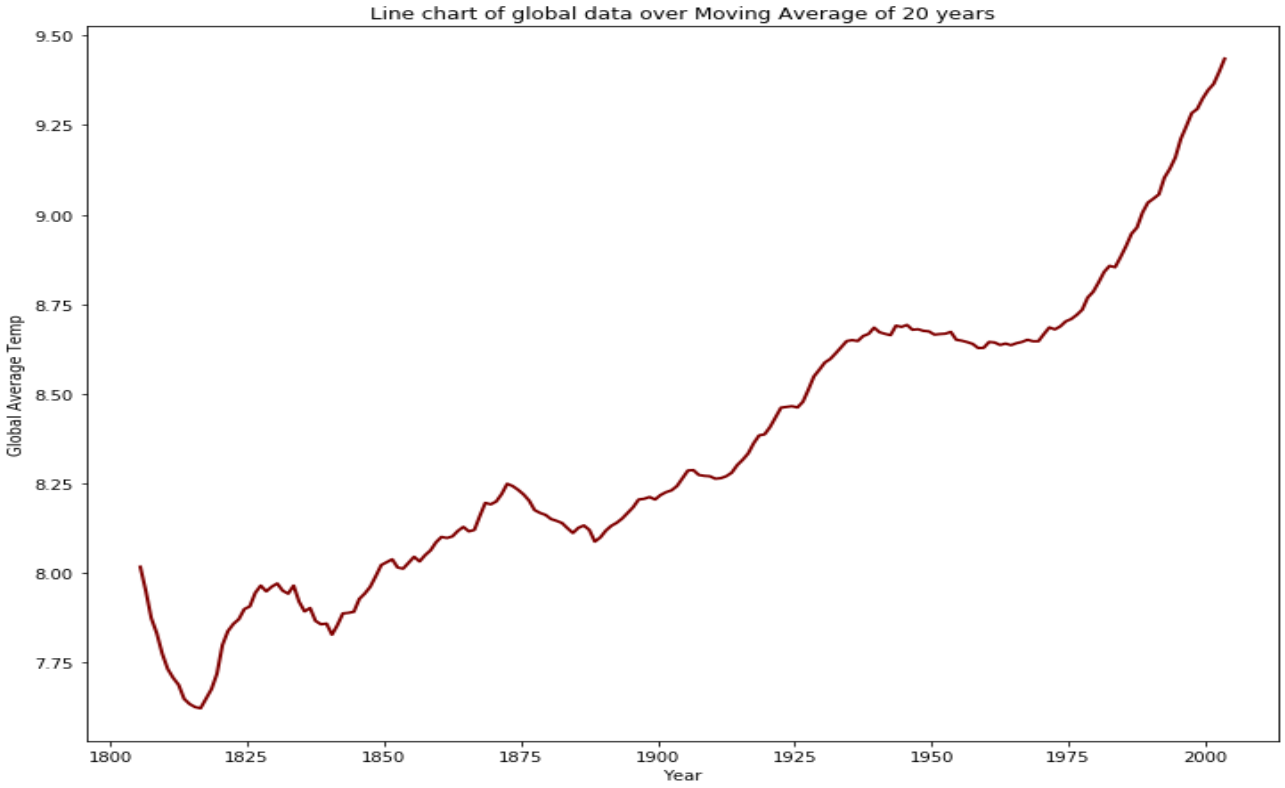
Downloaded the csv's and now implemented the rest part of analytics using jupyter notebook.

Create a line chart:

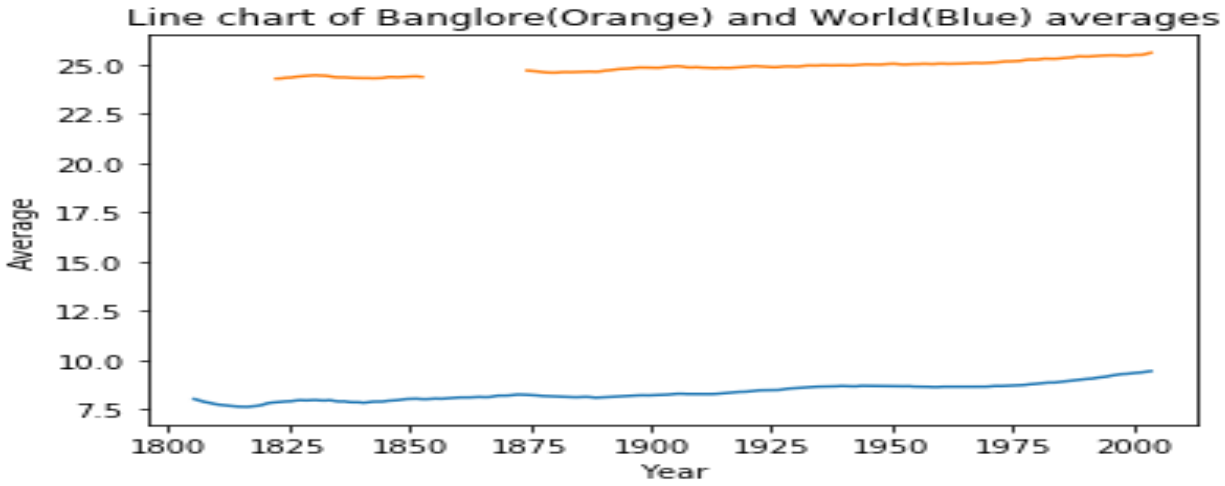
The graph about line chart of global average temp:



The graph about line chart of global temp with moving average of 20 years:



The graph about line chart of my closest city and global avg temp over moving average of 20 years:



Observations:

1. Is your city hotter or cooler on average compared to the global average? Has the difference been consistent over time?

-> My city is Bangalore and it is much hotter than global average temp. Yes the difference is consistent over time.

2. How do the changes in your city's temperatures over time compare to the changes in the global average?

-> The change is quite consistent as my city is mostage.ly 15 degree more hotter than global in aver

3. What does the overall trend look like? Is the world getting hotter or cooler? Has the trend been consistent over the last few hundred years?

->The world seems to be getting more hotter over the years. My city banglore is getting very hot. Even though trend looks to be consistent there has been some rise in avg temp over last 100 years.