Project 1 - Explore Weather Trends

1. Extract the Data:

Used below query to extract data for both Hyderabad and Global temperatures

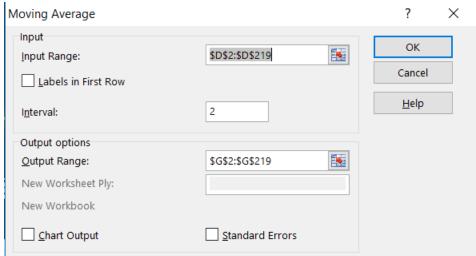
select c.city, c.country, c.avg Temp as Hyd temp, g.avg temp as Global temp, g.year from

city_data as c

full outer join global_data as g on g.year=c.year

where c.city='Hyderabad' and country='India'

- 2. Exported data to Excel
- **3.** Created Moving Average for Hyd temperature and Global temperature with interval as 2 Using Data Data Analysis Moving Average in Excel



- 4. **Created a 2D line Chart**: Compares my city (Hyderabad Vs Global Temperatures used moving average)
- 5. **Observations**:
 - Is your city hotter or cooler on average compared to the global average?
 Hyderabad is Hotter on average when compared to Global average
 - Has the difference been consistent over time?
 - Towards 2006 the temperatures increased
 - "How do the changes in your city's temperatures over time compare to the changes in the global average?"
 - My City's temperature is in line with global temperatures, both started to become hotter post 2000
 - What does the overall trend look like?
 - Temperatures are slowly increasing over the years
 - Is the world getting hotter or cooler?
 - Hotter
 - Has the trend been consistent over the last few hundred years?

Temperatures are increasing for every 1000 years

