**weather trends project**

**Tools used for the project:**

* SQL queries

1. Select \*

From city\_data

Where city = ‘Riyadh’

1. select avg\_temp, year

from global\_data

where year between 1843 and 2013

* Excel sheets

**Moving average:**

To identify the trend direction, I used the moving average by calculating the mean for each 10 years to use it in the chart.

**Key considerations:**

I have considered using 10 years in the moving average then I have used global average temperature and the Riyadh, Saudi Arabia average temperature and connect them with the years to visualize the weather trends properly.

**A screenshot of a social media post

Description automatically generated**

**observations:**

* Riyadh city suffers a hotter climate than the average global as shown above.
* The temperature change worldwide is fairly consistent with Riyadh city.
* As shown in the chart there is a rise in the global temperature in the recent years as well as Riyadh assumingly due to global warming.
* Approximately there is a 17 degree difference between Riyadh and the world.
* Riyadh city suffers a faster climate change as shown in the visualization.