Project 1	**Exploring Weather Trends Project**
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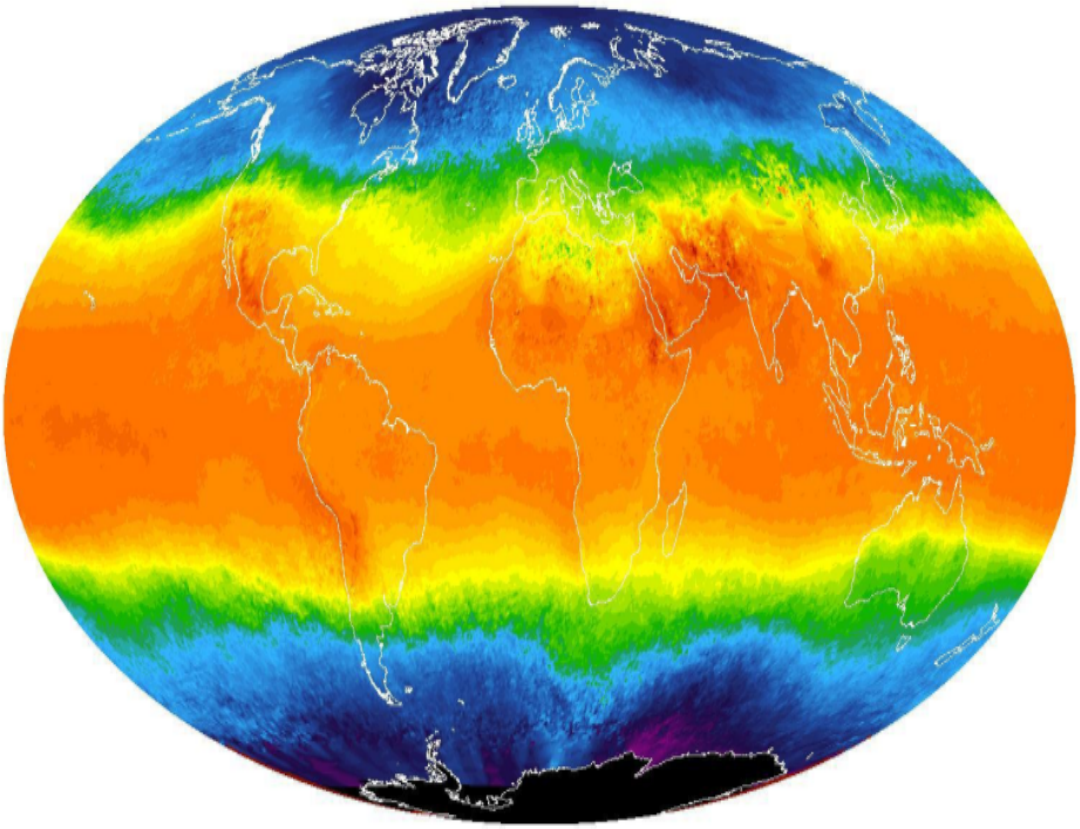


- SQL query used to extract the city level data:

First, I quired about cities in Saudi Arabia, to determine the city closest to me ، by using this query:

```
select *
        from city_list
                where country IN ('Saudi Arabia’);
```

Then I extracted the data for the city closest to me (Riyadh) including (year, average temperature), and then exported the file to a CSV file and converted it to an Excel file. by using this query:

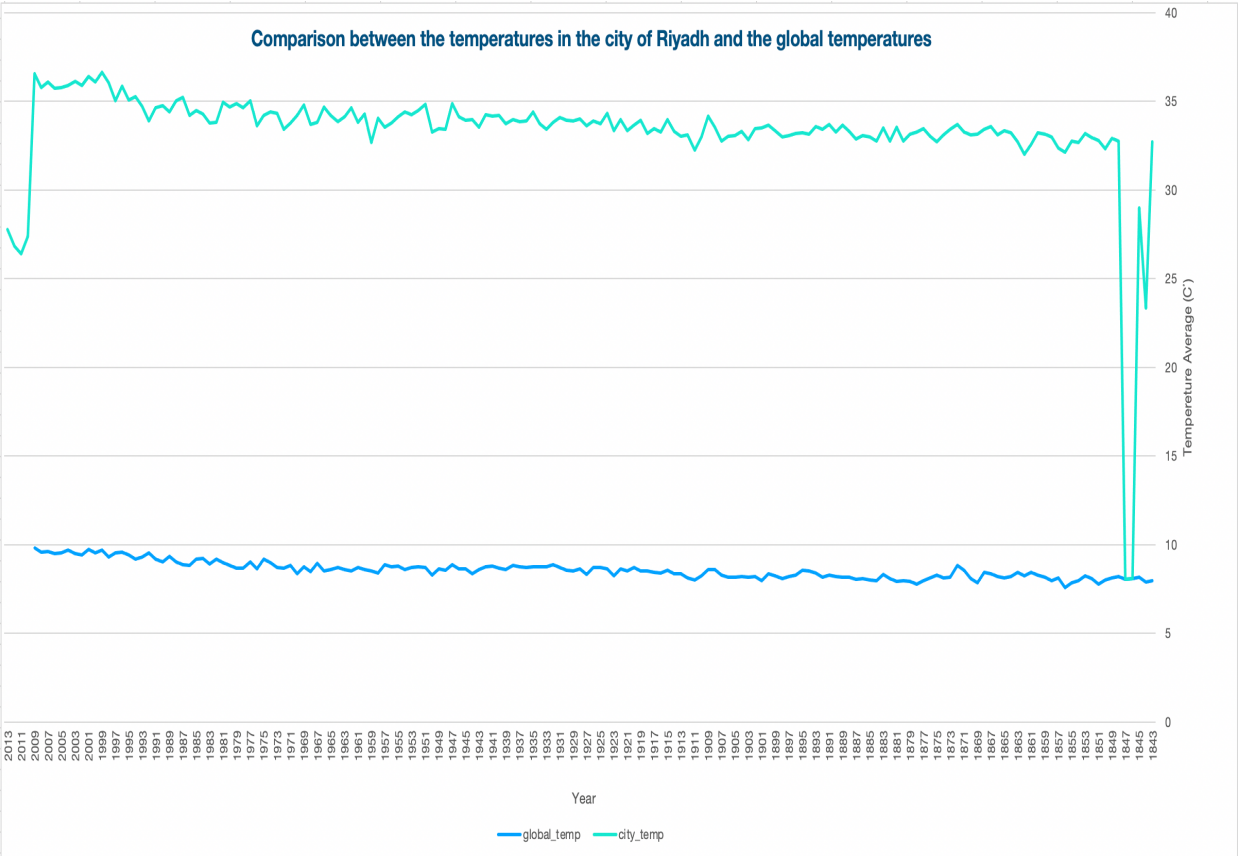
```
select year, avg_temp
        from city_data
                where city in ('Riyadh');
```

- SQL query used to extract the Global level data:

To extract data globally, I simply used this query, after that I downloaded a CSV file, and then converted it to an Excel file.

```
select * from global_data;
```

Chart



This chart shows a comparison between the average temperatures in Riyadh, the capital of the Kingdom of Saudi Arabia, and the global average temperatures, and I will discuss several observations that this chart shows:

1- **We note that the city of Riyadh has very high temperatures compared to global temperatures.**

2- **Global temperatures are nearly constant and are increasing slowly over time.**

3- **Temperatures in the city of Riyadh are increasing slowly over time.**

4- **The level of fluctuation in the average temperature of Riyadh is higher than the level of fluctuation in the average global temperature.**