**Course-1**

**Weather trends**

1. **SQL queries to fetch data**
2. Select \* from city\_list where country='India'; # to find which city was the closest to me
3. SELECT \* from city\_data where city=Bangalore; # to fetch the data out of the table
4. SELECT \* from global\_data; # to fetch the global data

Report points

1. Similarity between global temperature and Bangalore (closest city) is the slope of the trend, which defines the rate of change in temperature occured through the years, Bangalore saw an increase of 0.005 deg cel per year whereas the global temperature also saw an increase of close to 0.0048 deg cel every year.
2. Normal distribution for Bangalore and Global.

Key take aways.

1. Bangalore as well as Global temp has seen an upward trend along the years (for the past 210-250 years).
2. The rate of increase in temperature every year has been identified as 0.0005 deg cel for Bangalore and 0.0048 deg cel per year
3. Both India and Bangalore rate of increase are the same per year (~0.005 deg cel).
4. The distribution for India is slighly left skewed whereas for bangalore it is a perfect normal distribution.
5. The temperature of one city across all the six continents have been analysed and similar to the above interpretation,there is an increase in temperature with Durban seeing a max increase of 0.008 deg cel per year.