



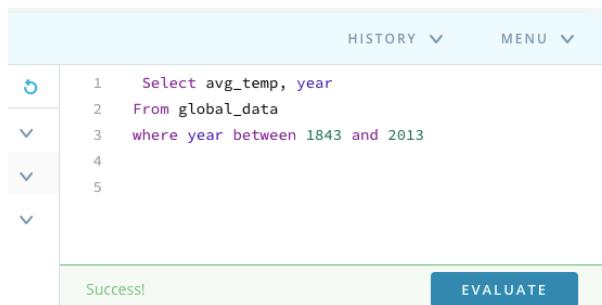
WEATHER TREND

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Data Analysis
First project

SQL Statement :

-SQL for extract data from global City:



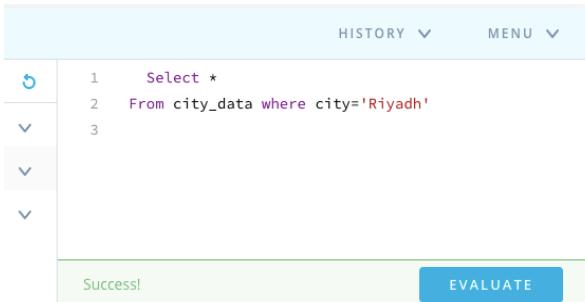
A screenshot of a SQL editor interface. The code entered is:

```
1 Select avg_temp, year
2 From global_data
3 where year between 1843 and 2013
4
5
```

The status bar at the bottom left says "Success!" and there is a blue "EVALUATE" button.

I choose these Record of year(1843-2013) because that only I have in Riyadh record of Year

-SQL for extract data from Riyadh City:



A screenshot of a SQL editor interface. The code entered is:

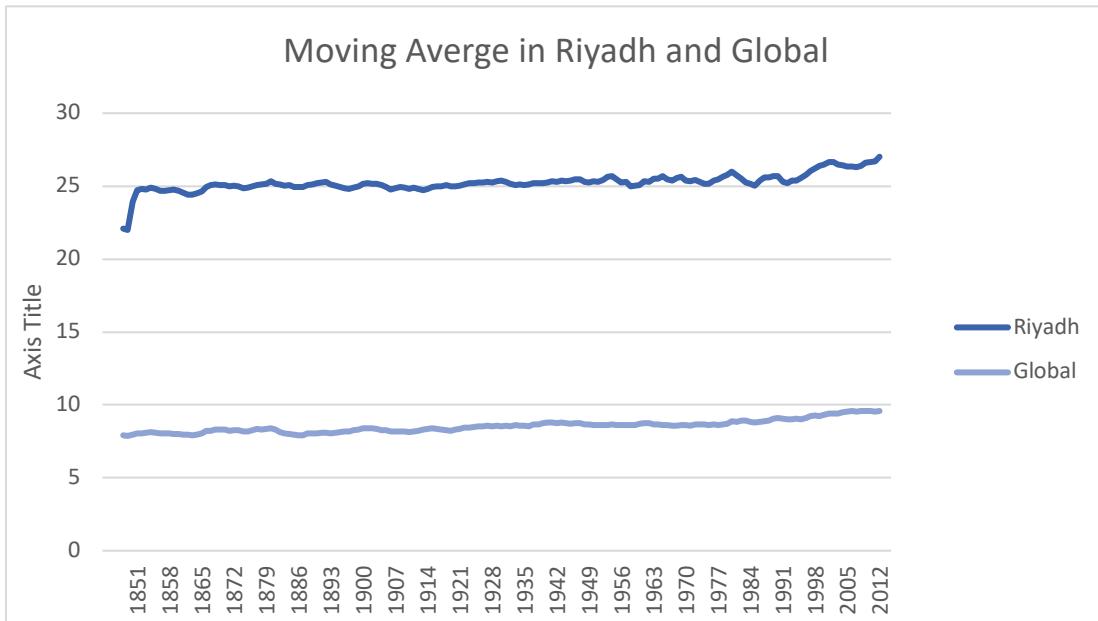
```
1 Select *
2 From city_data where city='Riyadh'
3
```

The status bar at the bottom left says "Success!" and there is a blue "EVALUATE" button.

- Open up the CSV

1. After I downloaded the result, I used Excel to calculate moving average and visualize data, The command that I used was “= AVERAGE(B2:B11)”
2. I draw the chart based on the yearly average temperature in Riyadh, global average temperature and year from (1843 – 2013) except year (1846 – 1847) because it's empty in Riyadh Record

- Create a line chart



Observations:

1. According to line chart, Riyadh average temperature is hotter than global average temperature, the temperature in Riyadh is higher approximately with 17 degrees
2. From 1851 to 1858 a significant increase in the temperature of the weather in Riyadh, more than 3 degrees, then from year 1991 to 2012 was increase almost 2 degrees.
3. From 1998 to 2013 the temperatures increasing almost 1.5 degree in other countries of the world
4. In the last period, there has been hurrying increase in the degree in temperature in Riyadh and global.