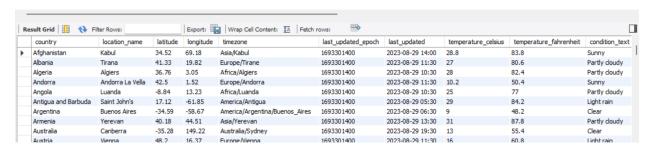
GLOBAL WETHER ANALYSIS USING SQL (MYSQL)

create database Global_Wether; use Global Wether;

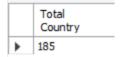
I HAVE EXPORTED DATA THROUGH CSV FILE & CREATED A TABLE AT THE TIME OF IMPORT.

select * from data;



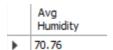
1-FIND THE TOTAL DISTINCT COUNTRY AVAILABLE IN DATA.

select count(distinct(country))as 'Total Country' from data;



2-SHOW THE AVG HUMIDITY FROM DATA.

select round(avg(humidity),2)as 'Avg Humidity' from data;



3-SHOW AVG UV INDEX FROM DATA.

select round(avg(uv_index),2)as 'Avg Uv Index' from data;

Avg Uv Index		
	•	2.48

4- WHAT IS THE AVG TEMP IN CELSIUS.

select round(avg(`feels_like_celsius`),2)as 'Avg Temp In (c)' from data;

	Avg Temp In (c)
•	19.87

-- 5-WHAT IS THE AVG TEMP IN FAHRENHEIT.

select round(avg(`feels_like_fahrenheit`),2)as 'Avg Temp In (f)' from data;

	Avg Temp In (f)
•	67.75

1-SHOW THE TOP 3 COUNTRY WITH MAXIMUM AIR QUALITY BY GUST-MPH.

select country,round(max(`gust_mph`),2)as 'Count Of Gust In MPH' from data group by country

order by `Count Of Gust In MPH` desc

limit 3;

	country	Count Of Gust In MPH
•	Mozambique	96.40
	Iceland	68.70
	Vanuatu	64.70

2-SHOW THE BOTTOM 3 COUNTRY WITH MAXIMUM AIR QUALITY BY GUST-MPH. select country,round(max(`gust_mph`),2)as 'Count Of Gust In MPH' from data group by country

order by 'Count Of Gust In MPH'

limit 3;

	country	Count Of Gust In MPH
•	Bhutan	11.30
	Nepal	11.40
	Brazil	11.80

3-SHOW THE TOP 3 COUNTRY WITH MAXIMUM AIR QUYALITY BY OZONE. select country,max(`air_quality_Ozone`)as 'Count Of Ozone' from data

group by country

order by 'Count Of Ozone' desc

limit 3;

	country	Count Of Ozone
•	Mexico	555
	United Arab Emirates	320.4
	Afghanistan	317.6

4-SHOW THE BOTTOM 3 COUNTRY WITH MAXIMUM AIR QUYALITY BY OZONE.

select country,round(max(`air_quality_Ozone`),2)as 'Count Of Ozone' from data group by country

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order by 'Count Of Ozone' asc

limit 3;

	country	Count Of Ozone
•	Central African Republic	31.80
	Malaysia	31.80
	Uganda	47.20

5- SHOW THE TOP 3 COUNTRY WITH MAXIMUM AIR QUALITY BY SULPHAR DIOXIDE.

select country,max(`air_quality_Sulphur_dioxide`)as 'Count Of Sulphar Dioxide' from data group by country

order by 'Count Of Sulphar Dioxide' desc

limit 3;

	country	Count Of Sulphar Dioxide
•	China	557
	Iran	511.2
	South Korea	469.2

6- SHOW THE BOTTOM 4 COUNTRY WITH MAXIMUM AIR QUALITY BY SULPHAR DIOXIDE.

select country,max(`air_quality_Sulphur_dioxide`)as 'Count Of Sulphar Dioxide' from data

group by country

order by `Count Of Sulphar Dioxide`

limit 4;

	country	Count Of Sulphar Dioxide
•	China	557
	Iran	511.2
	South Korea	469.2
	North Korea	335.7

7- SHOW THE TOP 3 COUNTRY WITH MAXIMUM AIR QUALITY BY CARBON MONOOXIDE.

select country,round(max(`air_quality_Carbon_Monoxide`))as 'Count Of Carbon Monooxide' from data

group by country

order by 'Count Of Carbon Monooxide' desc

limit 3;

	country	Count Of Carbon Monooxide
•	Indonesia	41870
	Thailand	20081
	Malaysia	18372

8- SHOW THE BOTTOM 3 COUNTRY WITH MAXIMUM AIR QUALITY BY CARBON MONOOXIDE.

select country,round(max(`air_quality_Carbon_Monoxide`),1)as 'Count Of Carbon Monooxide' from data

group by country

order by 'Count Of Carbon Monooxide'

limit 3;

	country	Count Of Carbon Monooxide
•	Marshall Islands	233.7
	Andorra	237.0
	Fiji Islands	243.7

9-SHOW THE TOP 3 COUNTRY WITH MAXIMUM AIR QUALITY BY NITROGEN DIOXIDE.

select country,round(max(`air_quality_Nitrogen_dioxide`),0)as 'Count Of Nitrogen Dioxide' from data

group by country

order by 'Count Of Nitrogen Dioxide' desc

limit 3;

	country	Count Of Nitrogen Dioxide
•	Iran	576
	Malaysia	494
	South Korea	384

10-SHOW THE BOTTOM 4 COUNTRY WITH MAXIMUM AIR QUALITY BY NITROGEN DIOXIDE.

select country,round(max(`air_quality_Nitrogen_dioxide`),2)as 'Count Of Nitrogen Dioxide' from data

group by country

order by `Count Of Nitrogen Dioxide`

limit 4;

	country	Count Of Nitrogen Dioxide
•	Marshall Islands	0.00
	Tuvalu	0.00
	Kiribati	0.10
	Micronesia	0.10

11-SHOW THE TOP 3 COUNTRY WITH MAXIMUM AIR QUALITY BY PM10.

select country,round(max(`air_quality_PM10`),2)as 'Count Of PM10' from data group by country

order by 'Count Of PM10' desc

limit 3;

	country	Count Of PM10
•	Mauritania	3566.40
	Chad	2504.30
	Indonesia	1859.60

12-SHOW THE BOTTOM 3 COUNTRY WITH MAXIMUM AIR QUALITY BY PM10.

select country,round(max(`air_quality_PM10`),2)as 'Count Of PM10' from data

group by country

order by `Count Of PM10` ASC

limit 3;

	country	Count Of PM10
•	Solomon Islands	9.60
	Iceland	12.30
	Tanzania	12.50

13-SHOW THE TOP 3 COUNTRY WITH MAXIMUM AIR QUALITY BY PM2.5.

select country,round(max(`air_quality_PM2.5`),2)as 'Count Of PM2.5' from data group by country

order by `Count Of PM2.5` desc

limit 3;

	country	Count Of PM2.5	
•	Indonesia	1558.80	
	India	1329.20	
	China	1133.00	

14-SHOW THE BOTTOM 3 COUNTRY WITH MAXIMUM AIR QUALITY BY PM2.5.

select country,round(max(`air_quality_PM2.5`),2)as 'Count Of PM2.5' from data group by country

order by `Count Of PM2.5` ASC

limit 3;

	country	Count Of PM2.5	
١	Tuvalu	4.60	
	Iceland	4.80	
	Kiribati	5.70	