

7.Performance Testing

In this milestone, we go through the performance testing,

Amount Of Data Rendered To DB

- The amount of data that is rendered to a database depends on the size of the dataset and the capacity of the database to store and retrieve data.
- Open the SQL Server Management Studio, go to the database then click to expand the tables, select the table and Right click and select Properties

SQLQuery1.sql - (LocalDB)\MSSQLLocalDB.Proj2 (HP-LAPTOP\Indra Prakash (54)) - Microsoft SQL Server Management Studio

EXEC sp_help 'dbo.Co2New';

Results Messages

Name	Owner	Type	Created_date/time
Co2New	dbo	user table	2022-12-16 12:23:35.353

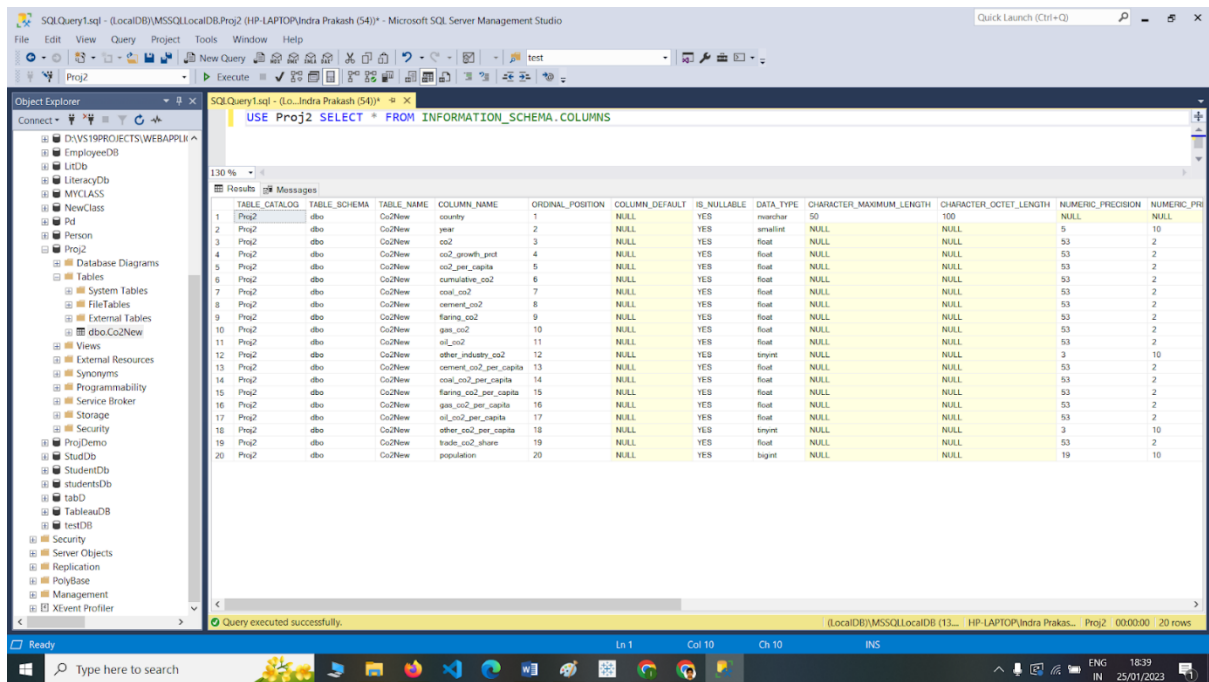
Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
country	nvarchar	no	100			yes	(n/a)	(n/a)	SQL_Latin1_General_CP1_CI_AS
year	smallint	no	2	5	0	yes	(n/a)	(n/a)	NULL
co2	float	no	8	53		NULL	yes	(n/a)	NULL
co2_growth_per	float	no	8	53		NULL	yes	(n/a)	NULL
co2_per_capita	float	no	8	53		NULL	yes	(n/a)	NULL
cumulative_co2	float	no	8	53		NULL	yes	(n/a)	NULL
coal_co2	float	no	8	53		NULL	yes	(n/a)	NULL
cement_co2	float	no	8	53		NULL	yes	(n/a)	NULL
flaring_co2	float	no	8	53		NULL	yes	(n/a)	NULL
gas_co2	float	no	8	53		NULL	yes	(n/a)	NULL
oil_co2	float	no	8	53		NULL	yes	(n/a)	NULL
other_industry...	float	no	1	3	0	yes	(n/a)	(n/a)	NULL
cement_co2_per...	float	no	8	53		NULL	yes	(n/a)	NULL
coal_co2_per...	float	no	8	53		NULL	yes	(n/a)	NULL
flaring_co2_per...	float	no	8	53		NULL	yes	(n/a)	NULL
gas_co2_per...	float	no	8	53		NULL	yes	(n/a)	NULL
oil_co2_per...	float	no	8	53		NULL	yes	(n/a)	NULL
other_co2_per...	float	no	1	3	0	yes	(n/a)	(n/a)	NULL
trade_co2_share	float	no	8	53		NULL	yes	(n/a)	NULL
population	bigint	no	8	19	0	yes	(n/a)	(n/a)	NULL

Identity: No identity columns defined. Seed: NULL. Increment: NULL. Not For Replication: NULL.

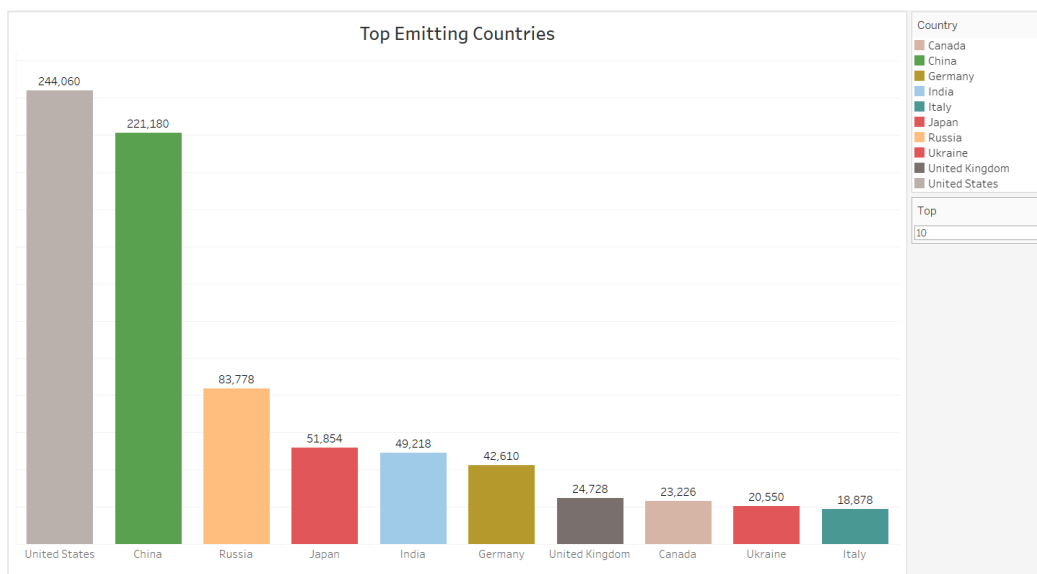
RowGuidCol: No rowguidcol column defined.

Data Locality: Data located on filegroup PRIMARY.

Query executed successfully. (LocalDB)\MSSQLLocalDB (13... HP-LAPTOP\Indra Prakash... Proj2 00:00:01 20 rows



Utilization Of Data Filters



No Of Visualizations/ Graphs

1. Top World Emission
2. Top Emitting Countries
3. Co2 Emission over Time
4. Co2 Emission India vs USA
5. Total Emission by Continents

6. Co2 Emission per Capita
7. Co2 Emission by International Factors
8. Emission Rate over Years
9. Donut Charts-Coal Co2,Cement Co2,Gas Co2,Oil Co2
10. Co2 Emission over past 10 years
11. Continent Contribution in Co2 Emission
12. Cumulative Co2 and Co2 per Capita
13. Co2 Emission in 2020
14. China vs India Co2 emission due to internal factors
15. Overall Contribution by China in Co2 Emission