**ASSIGNMENT -1**

CREATE TABLE country\_pollution (

Country VARCHAR (100) NOT NULL,

Temperature DECIMAL (5,2) NOT NULL,

CO2\_Emissions DECIMAL (10,2) NOT NULL,

Year INT NOT NULL

);

INSERT INTO country\_pollution (Country, Temperature, CO2\_Emissions, Year)

VALUES

('USA', 25.5, 1234.56, 2020),

('Canada', 28.3, 987.65, 2020),

('Mexico', 30.0, 876.54, 2019),

('India', 32.1, 2000.00, 2020),

('Germany', 18.9, 1345.00, 2020);

('France', NULL, 1100.00, 2015);

**1.**

SELECT Country, Temperature

FROM country\_pollution

WHERE Temperature = (SELECT MAX(Temperature) FROM country\_pollution);

Ouput: India|32.1

**2.**

SELECT Country, CO2\_Emissions

FROM country\_pollution

WHERE CO2\_Emissions = (SELECT MIN(CO2\_Emissions) FROM country\_pollution);

Output: Mexico|876.54

**3.**

SELECT Country, Temperature, Year

FROM country\_pollution

WHERE Temperature > 20;

Output:

USA|25.5|2020

Canada|28.3|2020

Mexico|30|2019

India|32.1|2020

**4.**

SELECT Country, CO2\_Emissions

FROM country\_pollution

WHERE Year = 2020 AND CO2\_Emissions IS NOT NULL;

Output:

USA|1234.56

Canada|987.65

India|2000

Germany|1345

**5.**

SELECT COUNT(\*) AS Total\_Temperature\_Records

FROM country\_pollution;

Output :

35

**6.**

SELECT Country

FROM country\_pollution

WHERE Year = 2015 AND Temperature IS NULL;

**7.**

SELECT Year, AVG(Temperature) AS Average\_Temperature

FROM country\_pollution

GROUP BY Year

ORDER BY Year;

Output:

2019|30.0

2020|26.2

**8.**

SELECT SUM(CO2\_Emissions) AS Total\_CO2\_Emissions

FROM country\_pollution;

Output: 141762.5

**9.**

SELECT Country, Temperature, Year

FROM country\_pollution

ORDER BY Temperature DESC;

Output:

India|32.1|2020

Mexico|30|2019

Canada|28.3|2020

USA|25.5|2020

Germany|18.9|2020