CREATE DATABASE `Regulatory Affairs of Road Accident Data 2020 India`;

USE `Regulatory Affairs of Road Accident Data 2020 India`;

CREATE TABLE `road\_accident\_data` ( `Million\_Plus\_Cities` VARCHAR(255), `Cause\_Category` VARCHAR(255), `Cause\_Subcategory` VARCHAR(255), `Outcome\_of\_Incident` VARCHAR(255), `Count` INT );

Select \* from `Regulatory Affairs of Road Accident Data 2020 India`

SELECT \* FROM `regulatory affairs of road accident data 2020 india` LIMIT 10;

SELECT COUNT(\*) AS Total\_Accidents FROM `road\_accident\_data`;

SELECT DISTINCT Million\_Plus\_Cities FROM `Regulatory Affairs of Road Accident Data 2020 India`.`road\_accident\_data` LIMIT 1000;

SELECT Cause\_Category, COUNT(\*) AS Occurrence FROM `road\_accident\_data`

GROUP BY Cause\_Category ORDER BY Occurrence DESC;

SELECT Million\_Plus\_Cities, SUM(Count) AS Total\_Accidents FROM `road\_accident\_data`

GROUP BY Million\_Plus\_Cities ORDER BY Total\_Accidents DESC LIMIT 5;

SELECT Outcome\_of\_Incident, SUM(Count) AS Total\_Accidents FROM `road\_accident\_data`

GROUP BY Outcome\_of\_Incident ORDER BY Total\_Accidents DESC;

SELECT Cause\_Subcategory, COUNT(\*) AS Subcategory\_Count FROM `road\_accident\_data`

GROUP BY Cause\_Subcategory ORDER BY Subcategory\_Count DESC LIMIT 10;

SELECT Million\_Plus\_Cities, SUM(Count) AS Accidents FROM `road\_accident\_data`

WHERE Cause\_Category = 'Over Speeding'

GROUP BY Million\_Plus\_Cities ORDER BY Accidents DESC;

SELECT \* FROM `road\_accident\_data`

WHERE Count > (SELECT AVG(Count) FROM `road\_accident\_data`);

SELECT Cause\_Category, SUM(Count) AS Total\_Cases,

(SUM(Count) / (SELECT SUM(Count) FROM `road\_accident\_data`)) \* 100 AS Percentage

FROM `road\_accident\_data`

GROUP BY Cause\_Category HAVING Percentage > 10;

DELIMITER //

CREATE PROCEDURE GetAccidentsByCity(IN city\_name VARCHAR(255))

BEGIN

SELECT \* FROM `road\_accident\_data` WHERE Million\_Plus\_Cities = city\_name;

END //

DELIMITER ;

SELECT Million\_Plus\_Cities, SUM(Count) AS Total\_Accidents,

RANK() OVER (ORDER BY SUM(Count) DESC) AS Rank\_Position

FROM `road\_accident\_data`

GROUP BY Million\_Plus\_Cities;