**Team 13**

**SQL Queries for Visualization**

**BR1**

SELECT

f.Source\_Data AS City,

COUNT(DISTINCT f.AccidentID) AS TotalAccidents

FROM

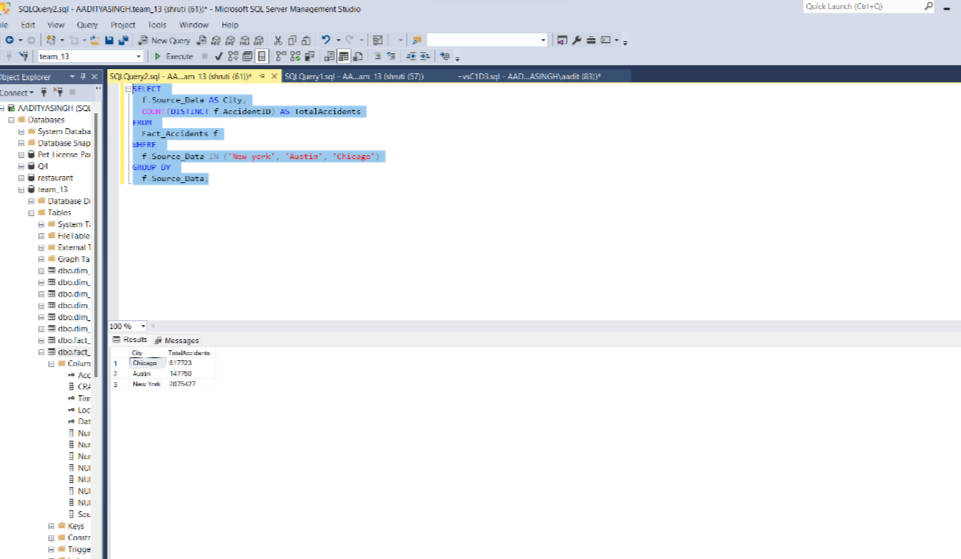
Fact\_Accidents f

WHERE

f.Source\_Data IN ('New york', 'Austin', 'Chicago')

GROUP BY

f.Source\_Data;



**BR2**

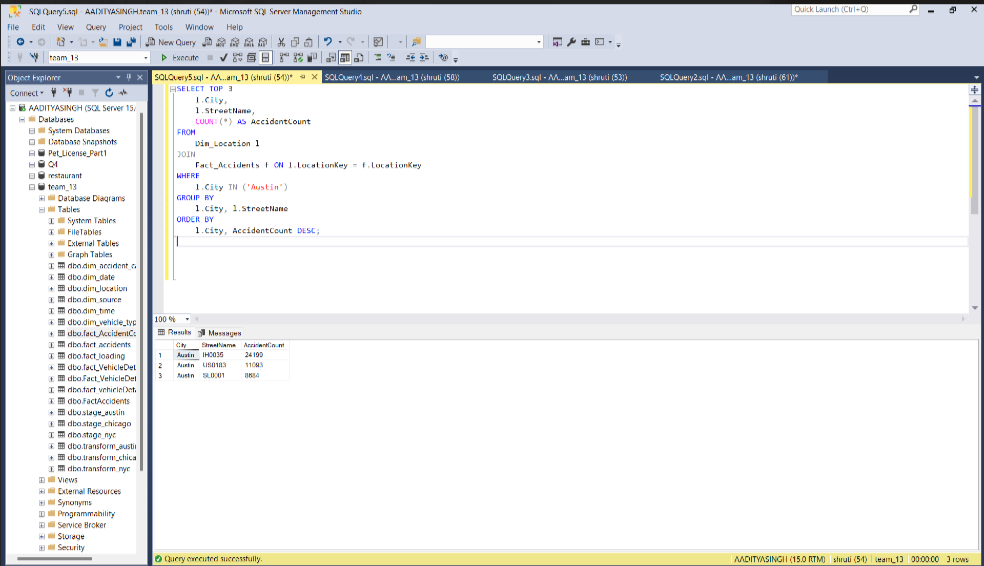
l.City IN ('Austin')

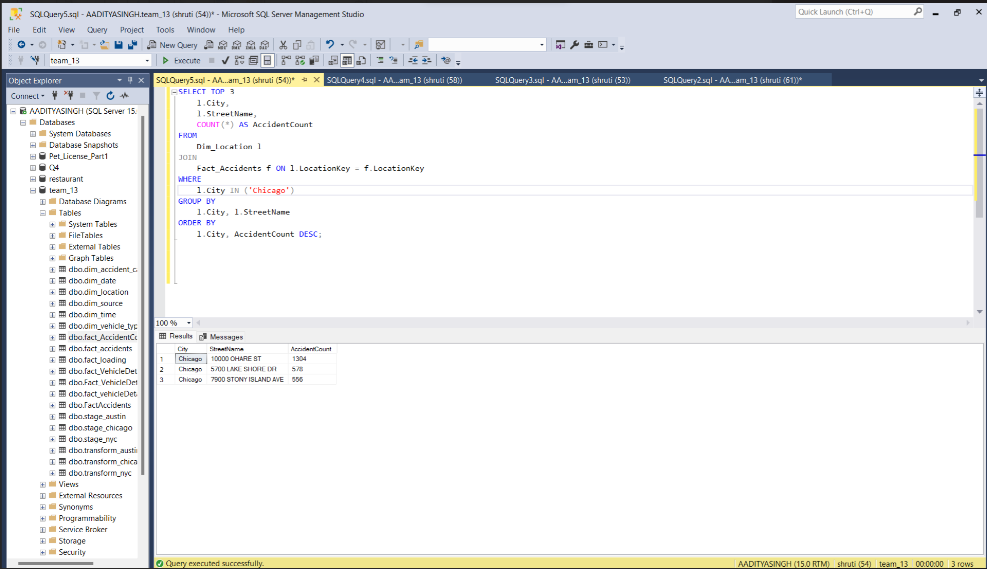
GROUP BY

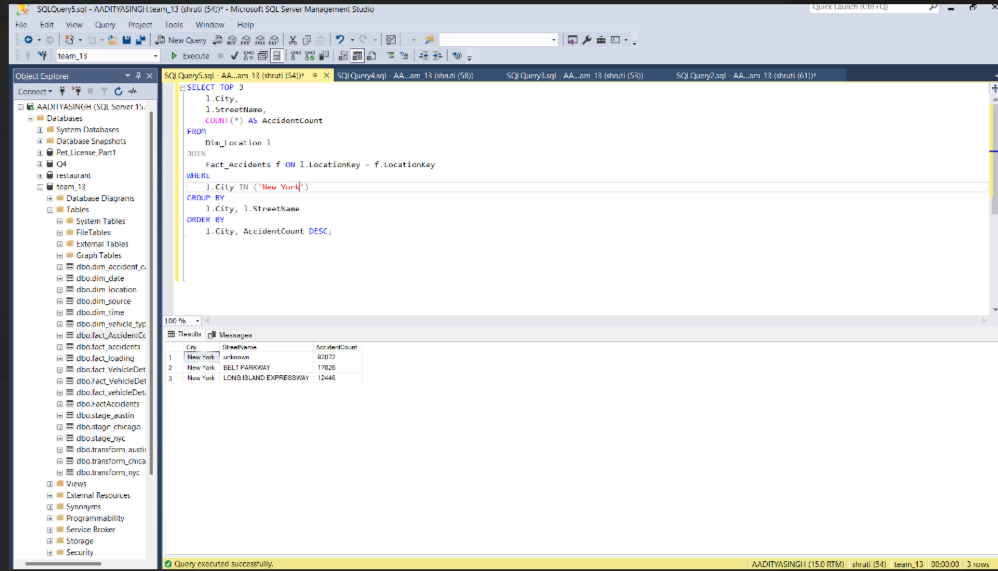
l.City, l.StreetName

ORDER BY

l.City, AccidentCount DESC -- Using the alias for clarity and brevity

LIMIT 3;  
  






**BR3**

SELECT

f.Source\_Data,

SUM(f.Number\_Of\_Injuries) AS TotalInjuries

FROM

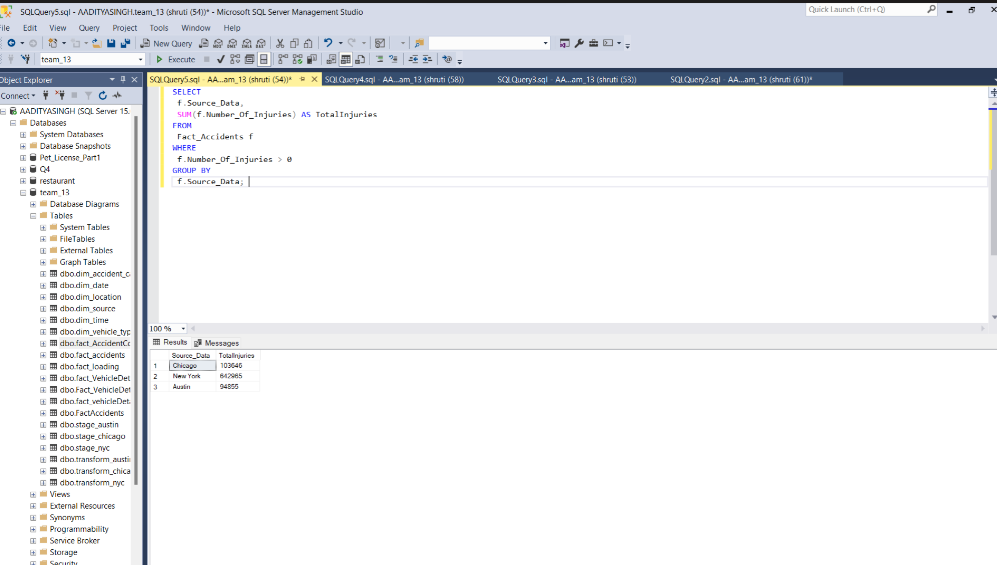
Fact\_Accidents f

WHERE

f.Number\_Of\_Injuries > 0

GROUP BY

f.Source\_Data;



**BR4**

SELECT

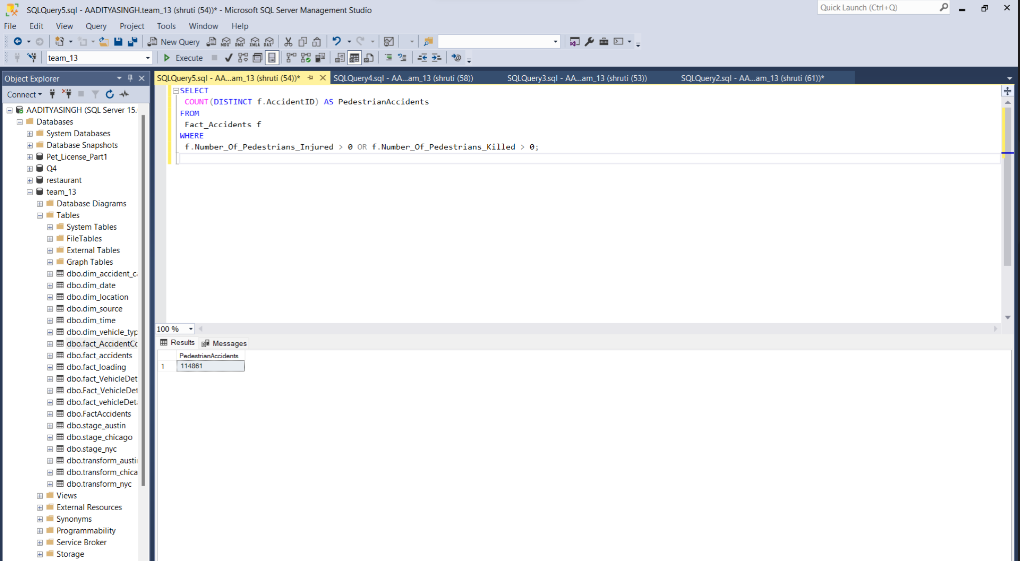
COUNT(DISTINCT f.AccidentID) AS PedestrianAccidents

FROM

Fact\_Accidents f

WHERE

f.Number\_Of\_Pedestrians\_Injured > 0 OR f.Number\_Of\_Pedestrians\_Killed > 0;



SELECT

l.City,

COUNT(DISTINCT f.AccidentID) AS PedestrianAccidents

FROM

Fact\_Accidents f

JOIN

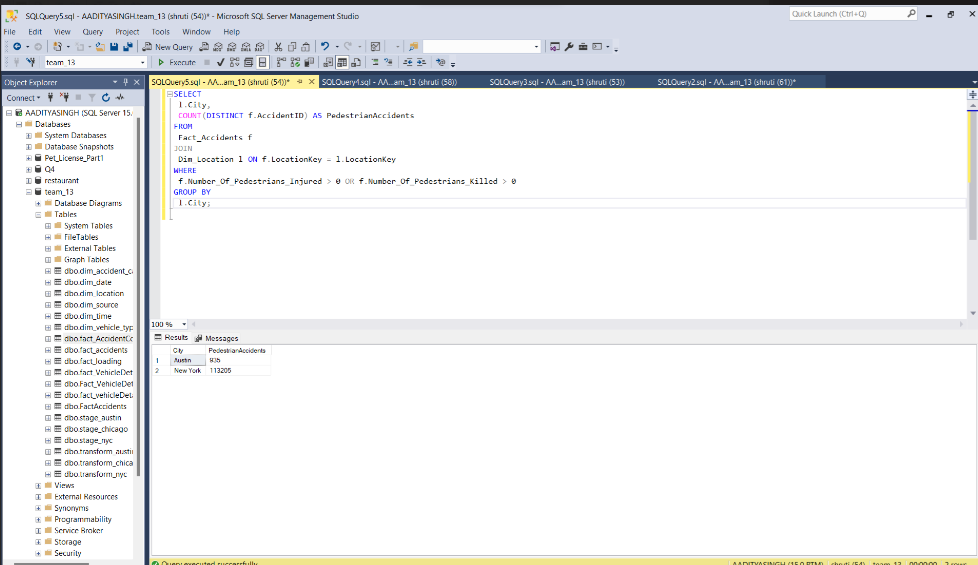
Dim\_Location l ON f.LocationKey = l.LocationKey

WHERE

f.Number\_Of\_Pedestrians\_Injured > 0 OR f.Number\_Of\_Pedestrians\_Killed > 0

GROUP BY

l.City;



**BR5**

SELECT

d.Month\_Num,

COUNT(DISTINCT f.AccidentID) AS Accidents

FROM

Fact\_Accidents f

JOIN

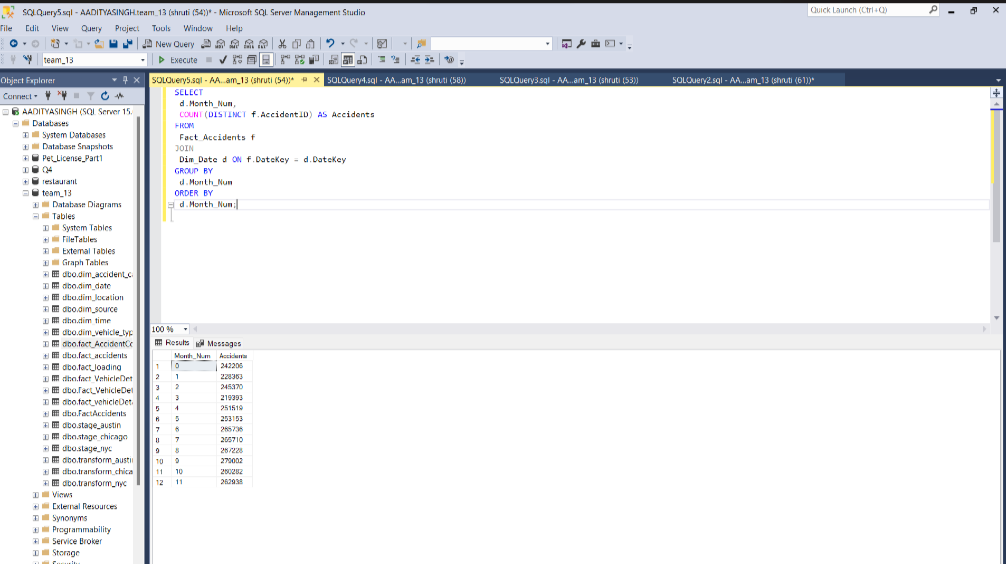
Dim\_Date d ON f.DateKey = d.DateKey

GROUP BY

d.Month\_Num

ORDER BY

d.Month\_Num;



**BR6**

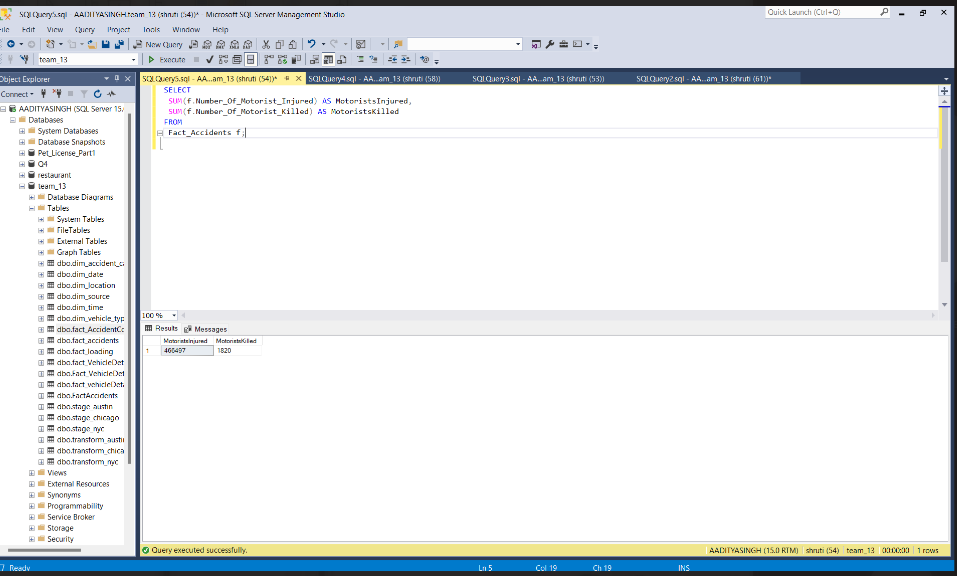
SELECT

SUM(f.Number\_Of\_Motorist\_Injured) AS MotoristsInjured,

SUM(f.Number\_Of\_Motorist\_Killed) AS MotoristsKilled

FROM

Fact\_Accidents f;



SELECT

l.City,

SUM(f.Number\_Of\_Motorist\_Injured) AS MotoristsInjured,

SUM(f.Number\_Of\_Motorist\_Killed) AS MotoristsKilled

FROM

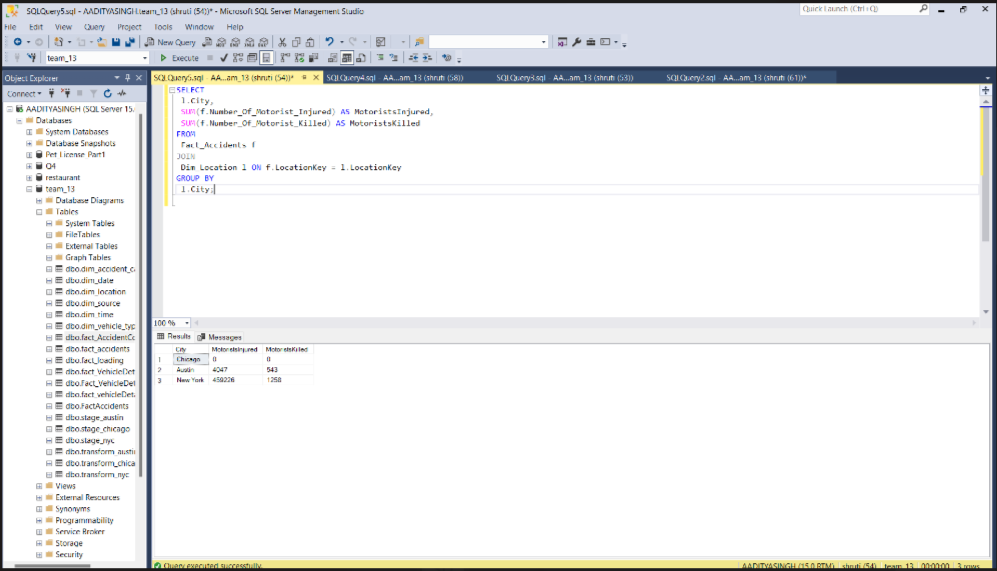
Fact\_Accidents f

JOIN

Dim\_Location l ON f.LocationKey = l.LocationKey

GROUP BY

l.City;



**BR7**

SELECT

f.Source\_Data,

SUM(f.Number\_Of\_Fatalities) AS Fatalities

FROM

Fact\_Accidents f

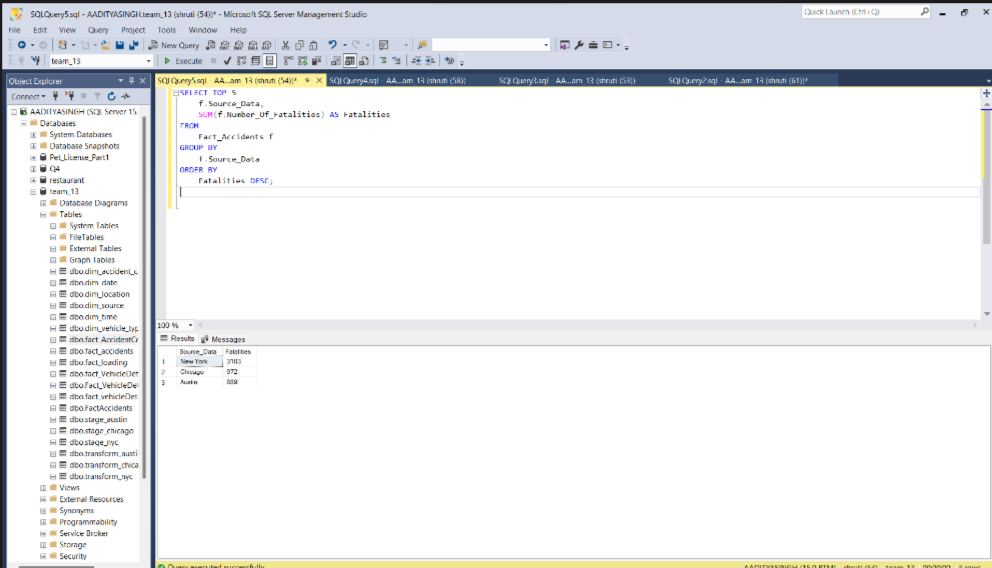
GROUP BY

f.Source\_Data

ORDER BY

Fatalities DESC

LIMIT 5;



**BR7**

SELECT

l.StreetName,

SUM(f.Number\_Of\_Fatalities) AS Fatalities

FROM

Fact\_Accidents f

JOIN

Dim\_Location l ON f.LocationKey = l.LocationKey

WHERE

f.Source\_Data = 'Austin'

GROUP BY

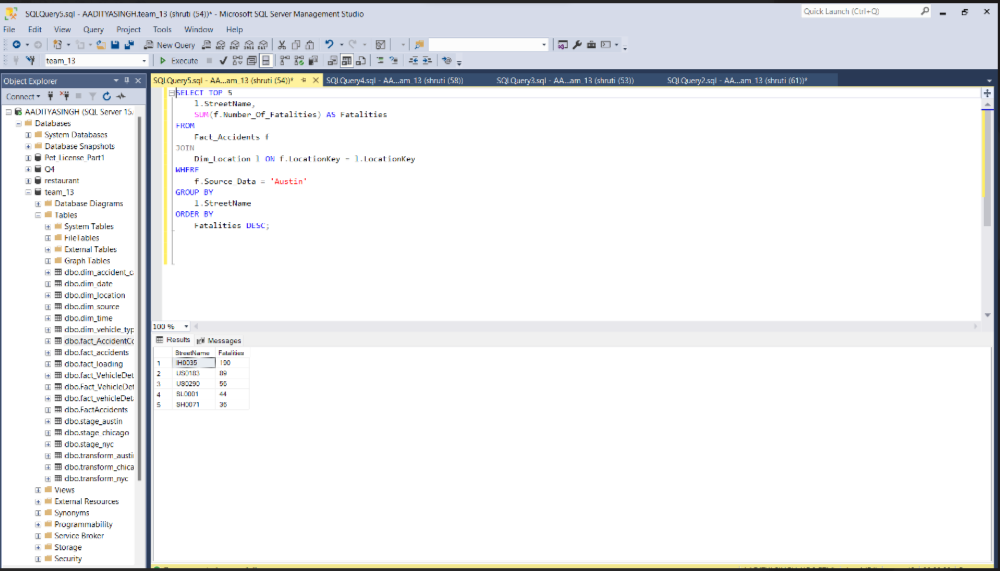
l.StreetName

ORDER BY

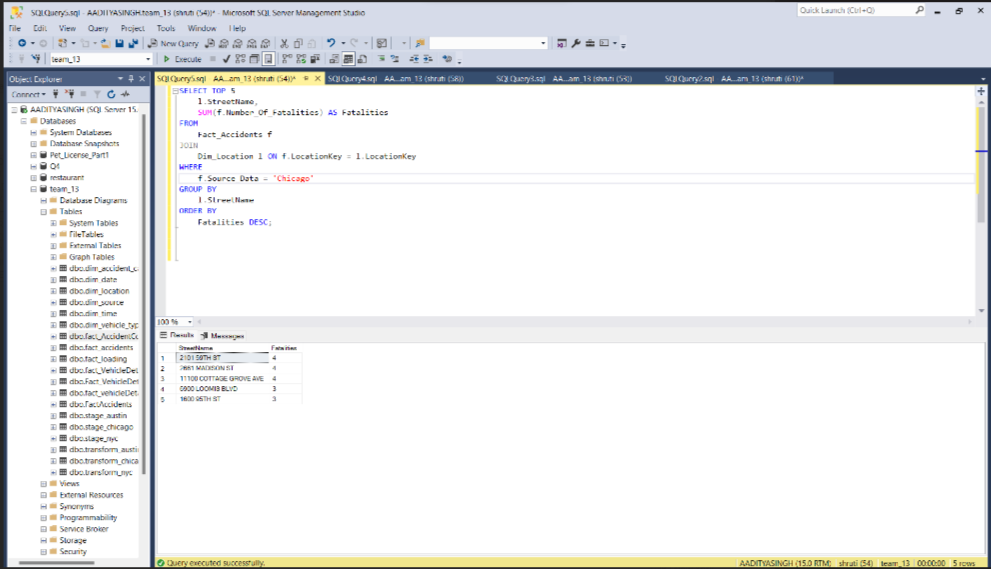
Fatalities DESC

LIMIT 5;

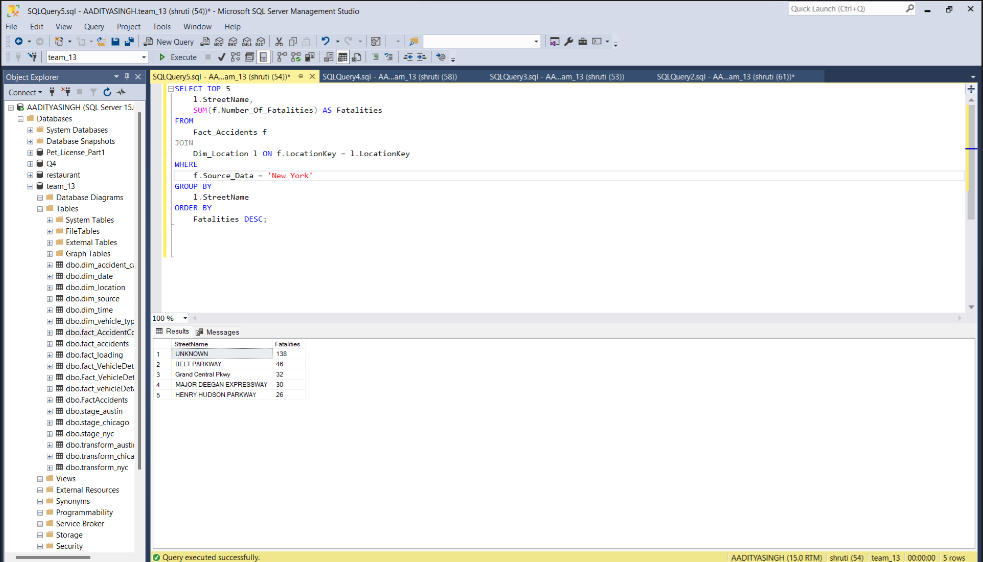
Austin:



Chicago:



NewYork



**BR8**

SELECT

t.Hour,

COUNT(DISTINCT f.AccidentID) AS Accidents

FROM

Fact\_Accidents f

JOIN

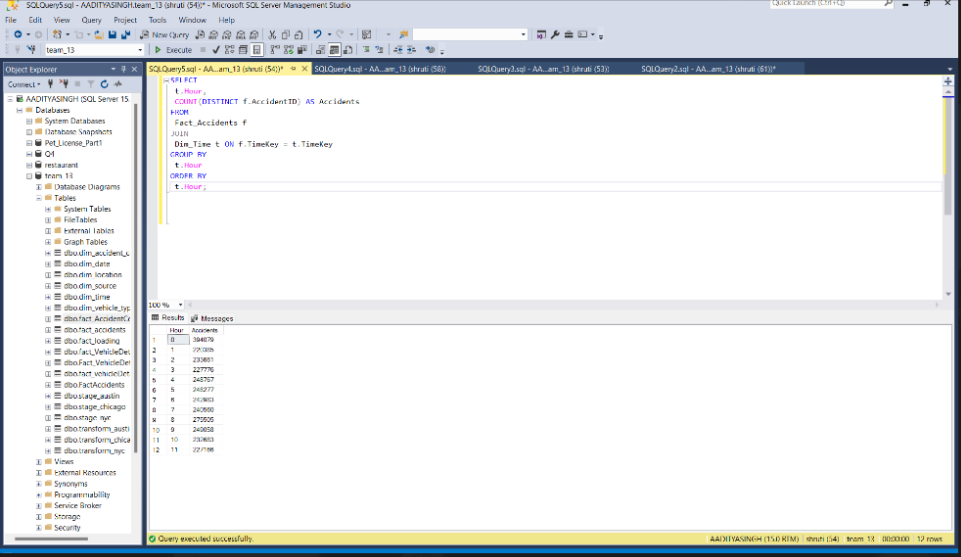
Dim\_Time t ON f.TimeKey = t.TimeKey

GROUP BY

t.Hour

ORDER BY

t.Hour;



**BR9**

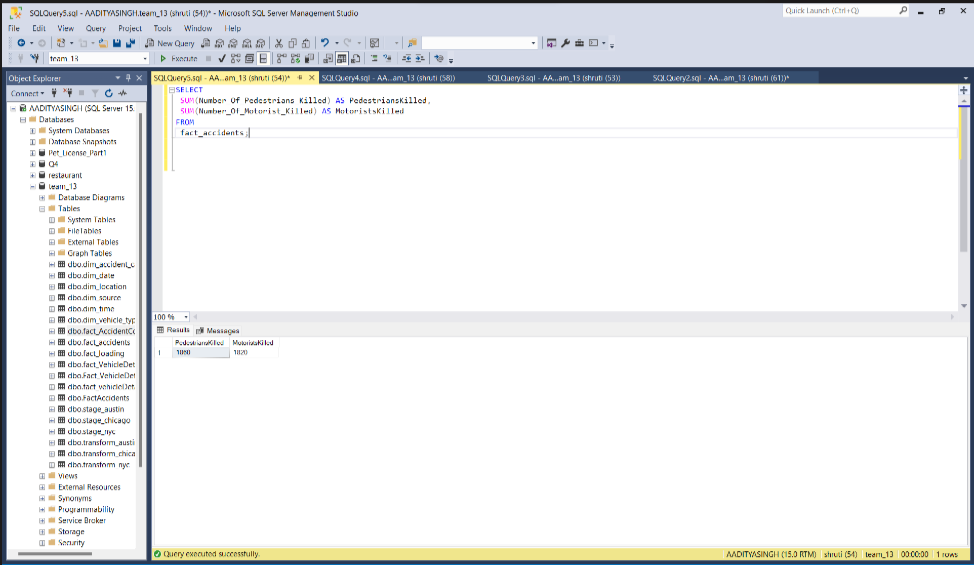
SELECT

SUM(Number\_Of\_Pedestrians\_Killed) AS PedestriansKilled,

SUM(Number\_Of\_Motorist\_Killed) AS MotoristsKilled

FROM

fact\_accidents;



SELECT

SUM(Number\_Of\_Pedestrians\_Killed) AS PedestriansKilled,

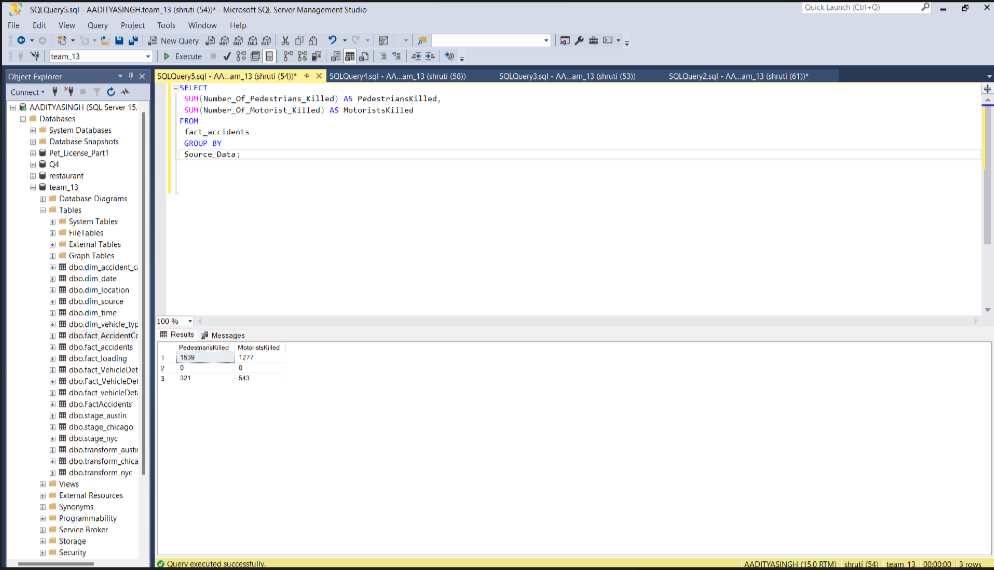
SUM(Number\_Of\_Motorist\_Killed) AS MotoristsKilled

FROM

fact\_accidents

GROUP BY

Source\_Data;



**BR10**

SELECT   
  cause.Description AS ContributingFactor,  
  COUNT(\*) AS Occurrences  
FROM   
  fact\_AccidentContributors fac  
JOIN   
  dim\_accident\_cause cause ON fac.Cause\_Key = cause.Cause\_Key  
GROUP BY   
  cause.Description  
ORDER BY   
  Occurrences DESC;

