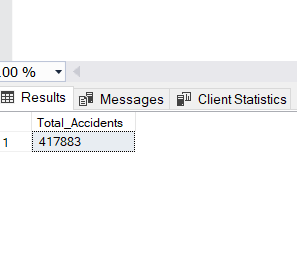
ROAD ACCIDENT REPORT SQL QUERIES

Total accident

select sum(number\_of\_casualties) as Total\_Accidents

from road\_accident

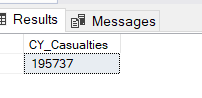


CY Casualties

select sum(number\_of\_casualties) as CY\_Casualties

from road\_accident

where year(accident\_date) = '2022'

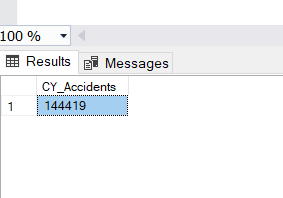


CY Accidents

select count(distinct accident\_index) as CY\_Accidents

from road\_accident

where year(accident\_date) ='2022'



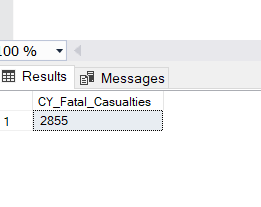
CY fatal casualties

select sum(number\_of\_casualties) as CY\_Fatal\_Casualties

from road\_accident

where year(accident\_date) ='2022'

and accident\_severity = 'Fatal'



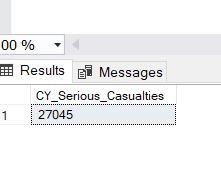
cy serious casualties

select sum(number\_of\_casualties) as CY\_Serious\_Casualties

from road\_accident

where year(accident\_date) ='2022'

and accident\_severity = 'Serious'



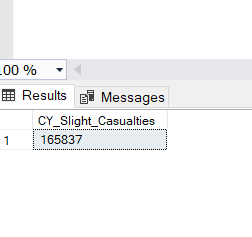
CY slight casualties

select sum(number\_of\_casualties) as CY\_Slight\_Casualties

from road\_accident

where year(accident\_date) ='2022'

and accident\_severity = 'Slight'

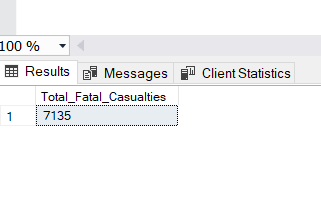


Total fatal casualties

select sum(number\_of\_casualties) as Total\_Fatal\_Casualties

from road\_accident

where accident\_severity = 'Fatal'

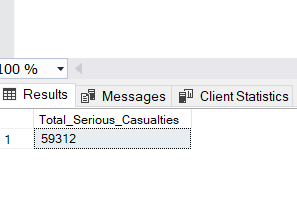


Total serious casualties

select sum(number\_of\_casualties) as Total\_Serious\_Casualties

from road\_accident

where accident\_severity = 'Serious'

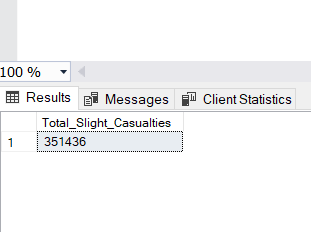


Total slight casualties

select sum(number\_of\_casualties) as Total\_Slight\_Casualties

from road\_accident

where accident\_severity = 'Slight'



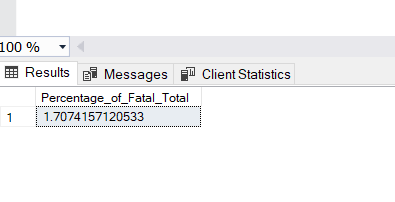
PCT for fatal

select cast(sum(number\_of\_casualties)as decimal (10,2)) \* 100 /

(select cast(sum(number\_of\_casualties)as decimal (10,2)) from road\_accident)as Percentage\_of\_Fatal\_Total

from road\_accident as Percentage\_of\_Total

where accident\_severity ='Fatal'



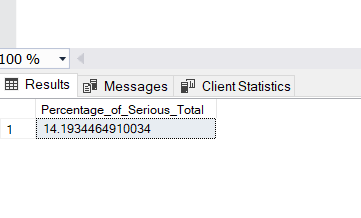
PCT for serious

select cast(sum(number\_of\_casualties)as decimal (10,2)) \* 100 /

(select cast(sum(number\_of\_casualties)as decimal (10,2)) from road\_accident)as Percentage\_of\_Serious\_Total

from road\_accident as Percentage\_of\_Total

where accident\_severity ='Serious'



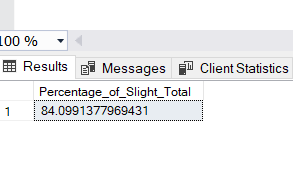
PCT for slight

select cast(sum(number\_of\_casualties)as decimal (10,2)) \* 100 /

(select cast(sum(number\_of\_casualties)as decimal (10,2)) from road\_accident)as Percentage\_of\_Slight\_Total

from road\_accident as Percentage\_of\_Total

where accident\_severity ='Slight'



CY vs PY Monthly Trend

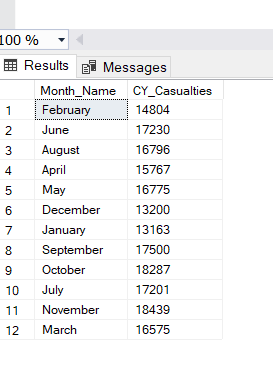
select DATENAME( month, accident\_date) as Month\_Name,

sum(number\_of\_casualties) as CY\_Casualties

from road\_accident

where year (accident\_date) = '2022'

group by DATENAME( month, accident\_date)



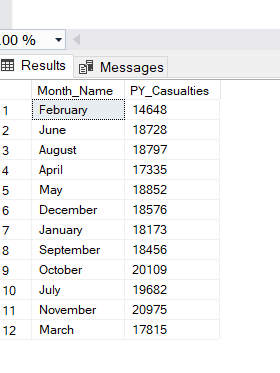
select DATENAME( month, accident\_date) as Month\_Name,

sum(number\_of\_casualties) as PY\_Casualties

from road\_accident

where year (accident\_date) = '2021'

group by DATENAME( month, accident\_date)



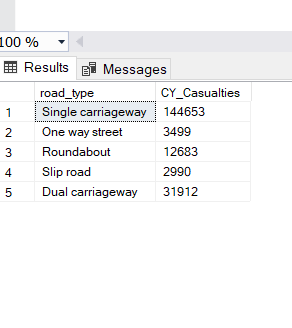
Road type casualties

select road\_type, sum(number\_of\_casualties) as CY\_Casualties

from road\_accident

where year(accident\_date) = '2022'

group by road\_type

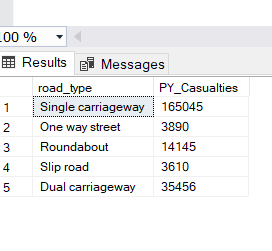


select road\_type, sum(number\_of\_casualties) as PY\_Casualties

from road\_accident

where year(accident\_date) = '2021'

group by road\_type



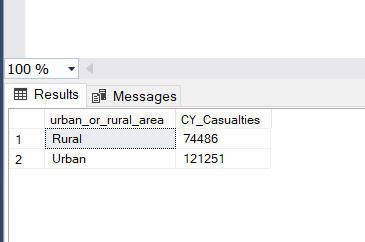
Urban and rural area casualties (cy)

select urban\_or\_rural\_area, sum(number\_of\_casualties) as CY\_Casualties

from road\_accident as CY\_Casualties

where year(accident\_date) = '2022'

group by urban\_or\_rural\_area



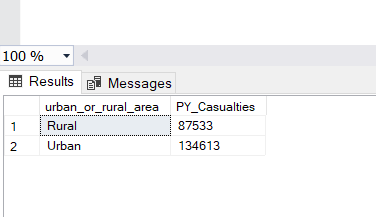
(py)

select urban\_or\_rural\_area, sum(number\_of\_casualties) as PY\_Casualties

from road\_accident as PY\_Casualties

where year(accident\_date) = '2021'

group by urban\_or\_rural\_area



PCT For Urban and Rural (CY)

select urban\_or\_rural\_area, CAST (sum(number\_of\_casualties) AS DECIMAL(10,2))\* 100 /

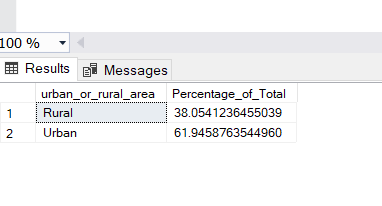
(select CAST (sum(number\_of\_casualties) AS DECIMAL(10,2)) from road\_accident where year(accident\_date) = '2022')

AS Percentage\_of\_Total

from road\_accident

where year(accident\_date) = '2022'

group by urban\_or\_rural\_area



For PY

select urban\_or\_rural\_area, CAST (sum(number\_of\_casualties) AS DECIMAL(10,2))\* 100 /

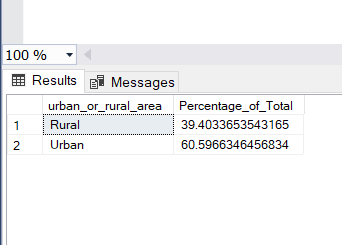
(select CAST (sum(number\_of\_casualties) AS DECIMAL(10,2)) from road\_accident where year(accident\_date) = '2021')

AS Percentage\_of\_Total

from road\_accident

where year(accident\_date) = '2021'

group by urban\_or\_rural\_area



Total casualties

elect urban\_or\_rural\_area, sum(number\_of\_casualties) as Total\_Casualties,

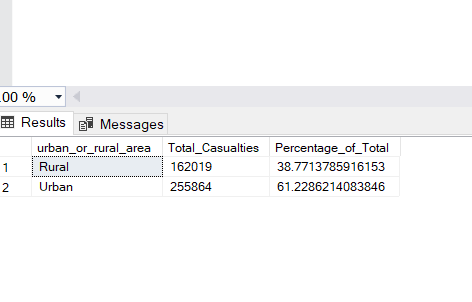
CAST (sum(number\_of\_casualties) AS DECIMAL(10,2))\* 100 /

(select CAST (sum(number\_of\_casualties) AS DECIMAL(10,2)) from road\_accident )

AS Percentage\_of\_Total

from road\_accident

group by urban\_or\_rural\_area



Top 10 location by no of casualties

select top 10 local\_authority, sum(number\_of\_casualties) as Total\_Casualties

from road\_accident

group by local\_authority

order by Total\_Casualties desc



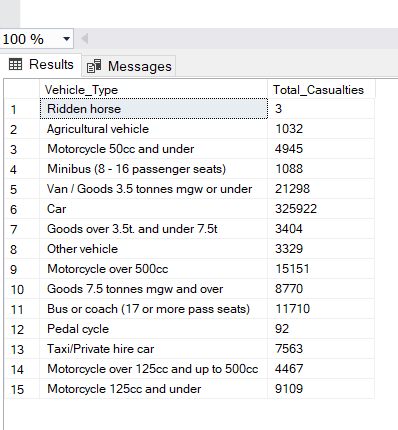
Casualties by vehicle type

select vehicle\_type as Vehicle\_Type,

sum(number\_of\_casualties) as Total\_Casualties

from road\_accident

group by Vehicle\_Type



casualties by light condition

select light\_conditions,

sum(number\_of\_casualties) as Total\_Casualties

from road\_accident

group by light\_conditions

