

ROAD ACCIDENT REPORT SQL QUERIES

Total Casualties

```
select SUM(number_of_casualties) 'Total Casualties' from road_accident
```

Results		Messages
Total Casualties		
1	417883	

Current Year Casualties

```
select SUM(number_of_casualties) 'Current Year Casualties' from road_accident  
where YEAR(accident_date)='2022'
```

Results		Messages
Current Year Casualties		
1	195737	

Current Year Accidents

```
select count(distinct accident_index) 'Current Year Accidents' from road_accident  
where YEAR(accident_date)='2022'
```

Results		Messages
Current Year Accidents		
1	144419	

CY Fatal Casualties

```
select SUM(number_of_casualties) 'CY Fatal Casualties' from road_accident  
where YEAR(accident_date)='2022' and accident_severity='Fatal'
```

Results		Messages
CY Fatal Casualties		
1	2855	

CY Serious Casualties

```
select SUM(number_of_casualties) 'CY Serious Casualties' from road_accident  
where YEAR(accident_date)='2022' and accident_severity='Serious'
```

Results		Messages
CY Serious Casualties		
1	27045	

CY Slight Casualties

```
select SUM(number_of_casualties) 'CY Slight Casualties' from road_accident  
where YEAR(accident_date)='2022' and accident_severity='Slight'
```

Results	Messages
	CY Slight Casualties
1	165837

Current Year Trend of Casualties

```
select DATENAME(MONTH,accident_date)'Month Name',SUM(number_of_casualties)'CY Casualties'
from road_accident
where YEAR(accident_date)='2022'
group by DATENAME(MONTH,accident_date)
```

Results

Messages

	Month Name	CY Casualties
1	February	14804
2	June	17230
3	August	16796
4	April	15767
5	May	16775
6	December	13200
7	January	13163
8	September	17500
9	October	18287
10	July	17201
11	November	18439
12	March	16575

Previous Year Trend of Casualties

```
select DATENAME(MONTH,accident_date)'Month Name',SUM(number_of_casualties)'PY Casualties'
from road_accident
where YEAR(accident_date)='2021'
group by DATENAME(MONTH,accident_date)
```

Results Messages

	Month Name	PY Casualties
1	February	14648
2	June	18728
3	August	18797
4	April	17335
5	May	18852
6	December	18576
7	January	18173
8	September	18456
9	October	20109
10	July	19682
11	November	20975
12	March	17815

Casualties by Road Type

```
select road_type, SUM(number_of_casualties) 'CY Casualties' from road_accident
where YEAR(accident_date)='2022'
group by road_type
```

	road_type	CY Casualties
1	Single carriageway	144653
2	One way street	3499
3	Roundabout	12683
4	Slip road	2990
5	Dual carriageway	31912

Casualties by Urban/Rural

```
select urban_or_rural_area, sum(number_of_casualties) 'no of casualties' from
road_accident
where YEAR(accident_date)='2022'
group by urban_or_rural_area
```

	urban_or_rural_area	no of casualties
1	Rural	74486
2	Urban	121251

Casualties by Location

```
select top 10 local_authority, SUM(number_of_casualties) 'Total_Casualties'
from road_accident
group by local_authority
order by Total_Casualties desc
```

	local_authority	Total_Casualties
1	Birmingham	8611
2	Leeds	5821
3	Bradford	4431
4	Manchester	4366
5	Liverpool	4052
6	Cornwall	3820
7	Sheffield	3737
8	Kirklees	3312
9	County Durham	3295
10	Westminster	3169