* select \*

from road\_accident1

OUTPUT

A screenshot of a computer

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1. Preview Of the Dataset

* select sum(number\_of\_casualties) as Totalcasualties

from road\_accident1

OUTPUT



1. To Find Totalcasualties

* select sum(number\_of\_casualties) as currentyear\_casualties

from road\_accident1

where YEAR(accident\_date) = '2022'

OUTPUT



1. To Find Current Year Casualties

* select sum(number\_of\_casualties) as previousyear\_casualties

from road\_accident1

where YEAR(accident\_date) = '2021'

OUTPUT



1. For Previous Year Casualties

* select count(distinct accident\_index) as currentyear\_accidents

from road\_accident1

where YEAR(accident\_date) = '2022'

OUTPUT



1. To Find Current Year Accidents

* select count(distinct accident\_index) as previousyear\_accidents

from road\_accident1

where YEAR(accident\_date) = '2021'

OUTPUT



1. For Previous Year Accidents

* select sum(number\_of\_casualties) as Fatal\_casualties

from road\_accident1

where accident\_severity = 'Fatal'

OUTPUT



1. To Find out Fatal Casualties

* select sum(number\_of\_casualties) as Slight\_casualties

from road\_accident1

where accident\_severity = 'Slight'

OUTPUT

A close-up of a number

Description automatically generated

1. For Slight Casualtites

* select sum(number\_of\_casualties) as Serious\_casualties

from road\_accident1

where accident\_severity = 'Serious'

OUTPUT



1. For Serious Casualties

* select

case

when vehicle\_type in ('Agricultural vechicle') then 'Agricultural Type'

when vehicle\_type in ('Car' ,'Taxi/Private hire car') then 'cars'

when vehicle\_type in ('Motorcycle 125cc and under', 'Motorcycle 50cc and under', 'Motorcycle over 125cc and up to 500cc','Motor over 500cc','Pedal cycle') then 'Bikes'

when vehicle\_type in ('Bus or coach (17 or more pass seats)','Minibus (8 - 16 passenger seats)')then 'Bus'

when vehicle\_type in ('Goods 7.5 tonnes mgw and over','Goods over 3.5t. and under 7.5t','Van / Goods 3.5 tonnes mgw or under') then 'van'

else 'other'

end as vehicle\_group,

sum(number\_of\_casualties) as Overall\_casualties

from road\_accident1

--where YEAR(accident\_date) = '2022'

group by

case

when vehicle\_type in ('Agricultural vechicle') then 'Agricultural Type'

when vehicle\_type in ('Car' ,'Taxi/Private hire car') then 'cars'

when vehicle\_type in ('Motorcycle 125cc and under', 'Motorcycle 50cc and under', 'Motorcycle over 125cc and up to 500cc','Motor over 500cc','Pedal cycle') then 'Bikes'

when vehicle\_type in ('Bus or coach (17 or more pass seats)','Minibus (8 - 16 passenger seats)')then 'Bus'

when vehicle\_type in ('Goods 7.5 tonnes mgw and over','Goods over 3.5t. and under 7.5t','Van / Goods 3.5 tonnes mgw or under') then 'van'

else 'other'

end

OUTPUT

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Description automatically generated

1. To Find out Overall Casualties By Vehicle Type

* select datename(month, accident\_date) as Month\_name, sum(number\_of\_casualties) as Currentyear\_casualties

from road\_accident1

where YEAR(accident\_date) = '2022'

group by datename(month,accident\_date)

OUTPUT

A screenshot of a data

Description automatically generated

1. To Find out Overall Casualties by Month Wise For Current year

* select datename(month, accident\_date) as Month\_name, sum(number\_of\_casualties) as previousyear\_casualties

from road\_accident1

where YEAR(accident\_date) = '2021'

group by datename(month,accident\_date)

OUTPUT

A screenshot of a data

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12.To Find out Overall Casualties by Month Wise For Previous Year

* select road\_type, sum(number\_of\_casualties) as overall\_casualties

from road\_accident1

--where YEAR(accident\_date) ='2021'

group by road\_type

OUTPUT

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13.To Find Out Overall Casualties By Road Type

* select urban\_or\_rural\_area, sum(number\_of\_casualties) as Total\_casualties

from road\_accident1

group by urban\_or\_rural\_area

OUTPUT

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14.To find Out Overall Casualties By Area Type.

* SELECT local\_authority, SUM(number\_of\_casualties) AS total\_casualties

FROM road\_accident1

GROUP BY local\_authority

ORDER BY total\_casualties desc

OUTPUT

A screenshot of a table

Description automatically generated

15.To Find out Total Casualties By local Authority Wise

* SELECT

CASE

WHEN day\_of\_week IN ('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday')

THEN 'Weekday'

ELSE 'Weekend'

END AS day\_category,

SUM(number\_of\_casualties) AS total\_casualties

FROM road\_accident1

GROUP BY

CASE

WHEN day\_of\_week IN ('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday')

THEN 'Weekday'

ELSE 'Weekend'

END;

OUTPUT

A white rectangular object with black text

Description automatically generated

16.To Find out Total Casualties By Weekdays And Weekends Wise

* SELECT

accident\_severity,

SUM(number\_of\_casualties) AS total\_casualties

FROM road\_accident1

GROUP BY accident\_severity

order by total\_casualties desc

OUTPUT

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17.To Find out Total Casualties By Severity wise

* SELECT

junction\_detail,

SUM(number\_of\_casualties) AS total\_casualties

FROM road\_accident1

GROUP BY junction\_detail

order by total\_casualties desc

OUTPUT

A screenshot of a data

Description automatically generated

18.To Find out Total Casualties By junction Detail Wise

* SELECT

light\_conditions,

SUM(number\_of\_casualties) AS total\_casualties

FROM road\_accident1

GROUP BY light\_conditions

order by total\_casualties desc

OUTPUT

A screenshot of a computer

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19.To Find out Total Casualties By Light Condition Wise

* SELECT

road\_surface\_conditions,

SUM(number\_of\_casualties) AS total\_casualties

FROM road\_accident1

GROUP BY road\_surface\_conditions

order by total\_casualties desc

OUTPUT

A screenshot of a computer

Description automatically generated

20.To Find out Total Casualties By Road Surface Condition wise

* SELECT

speed\_limit,

SUM(number\_of\_casualties) AS total\_casualties

FROM road\_accident1

GROUP BY speed\_limit

order by total\_casualties desc

OUTPUT

A screenshot of a computer

Description automatically generated

21.To Find out Total Casualties By Speed limit Wise