--Q1)Which bprpugh has highest crash percentage?

SELECT Borough,

ROUND(COUNT(\*)\* 100.0/ SUM(COUNT(\*)) OVER(),1) AS Crash\_percentage

FROM MVC.CRASH.CRASHES

WHERE Borough is not NULL

GROUP BY Borough

ORDER BY 2 DESC;

---Q2) What time of the day had the most crashes? (Evening/Night)

SELECT

CASE

WHEN TO\_TIME(Crash\_time) BETWEEN TO\_TIME('6:00') AND TO\_TIME('18:00') THEN 'Day\_Time'

ELSE 'Night\_Time'

END AS Crash\_Time,

COUNT(\*) AS Crash\_Number

FROM MVC.CRASH.CRASHES

GROUP BY all

ORDER BY 2 DESC;

--Q3) Find the number of person injured and killed in each borough.

--A) Number of person injured

SELECT Borough, SUM(TO\_NUMBER(Number\_of\_persons\_injured)) AS Person\_injured

FROM MVC.CRASH.CRASHES

WHERE Borough is not NULL

GROUP BY all

ORDER BY 2 DESC;

--B) Number of person killed.

SELECT Borough, SUM(TO\_NUMBER(Number\_of\_persons\_killed)) AS Persons\_killed

FROM MVC.CRASH.CRASHES

WHERE Borough is not NULL

GROUP BY all

ORDER BY 2 DESC;

--Q4) Find the number of crashes per year?

SELECT YEAR(TO\_DATE(Crash\_date))AS Crash\_year, COUNT(\*) AS Crash\_Count

FROM MVC.CRASH.CRASHES

GROUP BY all

ORDER BY 2 DESC;

---Q5) What is the number of cyclist injured and killed in each borough?

--A. Cyclist injured in each borough

SELECT Borough, SUM(TO\_NUMBER(NUMBER\_OF\_cyclist\_injured)) AS Cyclist\_injured

FROM MVC.CRASH.CRASHES

WHERE Borough is not NULL

GROUP BY all

ORDER BY 2 DESC;

--B. Cyclist killed in each borough.

SELECT Borough, SUM(TO\_NUMBER(Number\_of\_cyclist\_killed))AS Cyclist\_killed

FROM MVC.CRASH.CRASHES

WHERE Borough is not NULL

GROUP BY all

ORDER BY 2 DESC;

--Q6) Find the number of person, pedestrians, motorist, cyclist killed in each borough.Change varchar to number and get the total number of injured person vs borough

SELECT Borough, SUM(TO\_NUMBER(Number\_of\_persons\_killed)) AS person\_killed, SUM(TO\_NUMBER(Number\_of\_Pedestrians\_killed)) AS Pedestrians\_killed, SUM(TO\_NUMBER(NUER\_OF\_MOTORIST\_KILLED)) AS Motorist\_Killed, SUM(TO\_NUMBER(Number\_of\_cyclist\_killed)) AS Cyclist\_killed

FROM MVC.CRASH.CRASHES

WHERE Borough is not NULL

GROUP BY all

ORDER BY 2 DESC;