**Ques 1. What is the number of reported incidents?**

SELECT COUNT(\*) FROM fatalities\_cleaned

**Ques 2. What is the year to year change for the number of fatal incidents?**

SELECT

YEAR(incident\_date) AS Year,

COUNT(\*) AS num\_fatalities,

LAG(COUNT(\*)) OVER (ORDER BY YEAR(incident\_date)) AS previous\_year,

ROUND((COUNT(\*) - LAG(COUNT(\*)) OVER (ORDER BY YEAR(incident\_date))) / LAG(COUNT(\*)) OVER (ORDER BY YEAR(incident\_date)) \* 100) AS percentage\_change

FROM fatalities\_cleaned

WHERE YEAR(incident\_date) <> 2022

GROUP BY YEAR(incident\_date)

ORDER BY 1

**Ques 3. What is the number of fatalities that received a citation?**

SELECT citation, COUNT (\*) FROM fatalities\_cleaned

GROUP BY citation

**Ques 4. What day of the week has the most fatalities and what is the overall percentage?**

SELECT

day\_of\_week,

COUNT(\*),

ROUND(COUNT(\*) \* 100 / 14914, 2) AS overall\_percentage

FROM fatalities\_cleaned

GROUP BY day\_of\_week

**Ques 5. What is the number of fatalities involving welding?**

SELECT COUNT (\*)

FROM fatalities\_cleaned

WHERE description LIKE "%weld%"

**Ques 6. Select the last 5 from the previous query. The task is to calculates the last 5 fatalities during welding.**

SELECT \*

FROM fatalities\_cleaned

WHERE description LIKE "%weld%"

ORDER BY incident\_date DESC

LIMIT 5

**Ques 7. Select the top 5 states with the most fatal incidents.**

SELECT state, COUNT (\*)

FROM fatalities\_cleaned

GROUP BY state

ORDER BY 2 DESC

LIMIT 5

**Ques 8. What are the top 5 states that had the most workplace fatalities from stabbings?**

SELECT state, COUNT (\*)

FROM fatalities\_cleaned

WHERE description LIKE "%stabb%"

GROUP BY state

ORDER BY 2 DESC

LIMIT 5

**Ques 9. What are the top 10 states that had the most workplace fatalities from shootings?**

SELECT state, COUNT(\*)

FROM fatalities\_cleaned

WHERE description LIKE "%shot%"

GROUP BY state

ORDER BY 2 DESC

LIMIT 10

**Ques 10. What is the total number of shooting deaths per year?**

SELECT YEAR (incident\_date), COUNT (\*)

FROM fatalities\_cleaned

WHERE description LIKE "%shot%"

GROUP BY YEAR (incident\_date)

ORDER BY 2 DESC