

Final SQL

1. Count the total number of incidents occurred in boston in last 5 years?

```
SELECT count(incident_number)
FROM incidents
where incident_year between 2018 and 2022;
```

2. List the top 5 neighborhoods in Boston with highest crime incidents?

```
SELECT l.neighborhood, count(i.incident_number) as total_incidents
FROM location l RIGHT JOIN incidents i
ON l.zip_code = i.zip
where i.incident_year = 2022
group by neighborhood
order by count(i.incident_number) desc
limit 5;
```

3. Count the harassment incidents on Boston streets

```
SELECT l.neighborhood, t.incident_type, count(i.incident_number) as total_incidents
FROM incidents i LEFT JOIN incident_type t
ON t.incident_id = i.incident_number
LEFT JOIN location l
ON l.zip_code = i.zip
where t.incident_type = 'Harassment'
group by l.neighborhood
order by count(i.incident_number) desc;
```

4. Who are the cops in charge for Roxbury?

```
SELECT c.cop_name, c.cop_title, l.neighborhood
FROM cops_info c
left JOIN location l
ON c.zip_code = l.zip_code
where l.neighborhood = 'Roxbury'
order by c.cop_name;
```

5. What is the most recurring incident on Adams Street in a one year period.

```
SELECT count(incident_number), t.incident_type
```

```

FROM incidents i LEFT JOIN incident_type t
ON i.location = t.locality
where t.locality = 'ADAMS ST' and incident_year between 2020 and 2021
group by t.incident_type
order by count(i.incident_number) desc
limit 1;

```

6. The above use case determines the highly unsafe street in Boston.

```

SELECT count(i.incident_number) as incident_count, i.location, l.neighborhood, l.zip_code
FROM incidents i RIGHT JOIN location l
ON i.zip = l.zip_code
where incident_year <= 2022 and incident_year >=2018
group by i.location, l.neighborhood, l.zip_code
order by count(incident_number) desc
limit 1;

```

7. Which year marks the highest number of incidents?

```

SELECT count(i.incident_number) as incident_count, i.incident_year
FROM incidents i RIGHT JOIN location l
ON i.zip = l.zip_code
where i.zip = l.zip_code
group by i.incident_year
order by count(incident_number) desc
limit 1;

```

8. Between what hours of day most incidents happen?

```

SELECT count(i.incident_number) as incident_count, i.incident_hour, l.neighborhood
FROM incidents i RIGHT JOIN location l
ON i.zip = l.zip_code
where i.zip = l.zip_code
group by i.incident_hour, l.neighborhood
order by count(incident_number) desc
limit 1;

```

9. How many incidents reported after midnight night?

```

SELECT count(incident_number) from incidents
where incident_hour between 1 and 6
group by incident_hour
order by count(incident_number) desc;

```