

```
USE chicagotraffic_db;
```

```
CREATE VIEW MonthlyCitationStats AS
```

```
SELECT
    YEAR(c.Issue_Date) AS Year,
    MONTH(c.Issue_Date) AS Month,
    COUNT(*) AS CitationCount,
    SUM(fl.Fine_Level_1_Amount) AS TotalFines
FROM Citation c
JOIN Fine_Level fl ON c.Fine_ID = fl.Fine_ID
WHERE c.Issue_Date IS NOT NULL
GROUP BY YEAR(c.Issue_Date), MONTH(c.Issue_Date);
```

```
CREATE VIEW StreetwiseCitationCounts AS
```

```
SELECT
    l.Violation_Location,
    COUNT(cl.Citation_ID) AS CitationCount
FROM Citation_Location cl
JOIN Location l ON cl.Location_ID = l.Location_ID
GROUP BY l.Violation_Location;
```

```
CREATE VIEW DailyCitationAnalysis AS
```

```
SELECT
    DATE(c.Issue_Date) AS Date,
    COUNT(c.Citation_ID) AS CitationCount
FROM Citation c
WHERE c.Issue_Date IS NOT NULL
GROUP BY DATE(c.Issue_Date);
```

```
CREATE VIEW OfficerCitationPerformance AS
```

```
SELECT
    o.Officer_ID,
    o.Officer,
    COUNT(co.Citation_ID) AS CitationCount
FROM Citation_Officer co
JOIN Officer o ON co.Officer_ID = o.Officer_ID
GROUP BY o.Officer_ID, o.Officer;
```

```
CREATE VIEW UnpaidFineDetails AS
```

```
SELECT
    c.Citation_ID,
    (SELECT SUM(Fine_Level_1_Amount + Fine_Level_2_Amount)
     FROM Fine_Level
     WHERE Fine_ID = c.Fine_ID) AS TotalFine
FROM Citation c;
```

```
CREATE VIEW ZipCodeCitationDistribution AS
```

```
SELECT
    l.Zip_Code,
    COUNT(cl.Citation_ID) AS CitationCount
FROM Citation_Location cl
JOIN Location l ON cl.Location_ID = l.Location_ID
GROUP BY l.Zip_Code;
```