

```
USE mydb;
```

```
/*Q1*/
```

```
CREATE VIEW incident_with_details AS
SELECT Incident_ID, Start_date, Start_time, Block_address, City, State, Zipcode,
Police_district_name, Agency
FROM incident i
      JOIN location_of_incident loc ON i.Incident_location_ID =
loc.Incident_location_ID
      JOIN police_information p ON i.Police_ID = p.Police_ID
WHERE City = "ROCKVILLE";
```

```
/*Q2*/
```

```
CREATE VIEW crime_count_by_district AS
SELECT Police_district_name, COUNT(oil.Incident_ID) AS Number_of_Crimes
FROM offence_incident_linking oil
      JOIN incident i ON oil.Incident_ID = i.Incident_ID
      JOIN offences o ON oil.Offence_code = o.Offence_code
      JOIN police_information pol ON i.Police_ID = pol.Police_ID
GROUP BY Police_district_name;
```

```
/*Q3*/
```

```
CREATE VIEW top_3_crimes AS
SELECT Type_of_crime, COUNT(o.Offence_code) as Crime_Count
FROM offences o
      JOIN crime_type ct ON o.NIBRS_code = ct.NIBRS_code
      JOIN offence_incident_linking oil ON o.Offence_code = oil.Offence_code
GROUP BY Type_of_crime
ORDER BY Crime_Count DESC
LIMIT 3;
```

```
/*Q4*/
```

```
CREATE VIEW crime_aganst_property_by_zipcode AS
SELECT Zipcode, COUNT(i.Incident_ID) AS Crimes_Against_Property
FROM incident i
      JOIN offence_incident_linking oil ON i.Incident_ID = oil.incident_id
      JOIN offences o ON oil.Offence_code = o.Offence_code
      JOIN crime_type ct ON o.NIBRS_code = ct.NIBRS_code
      JOIN location_of_incident loc ON i.Incident_location_ID =
loc.Incident_location_ID
WHERE ct.Crime_against_ID =
      (SELECT Crime_against_ID
      FROM crime_against
      WHERE Crime_against = 'Property')
GROUP BY Zipcode
ORDER BY Crimes_Against_Property DESC;
```

```
/*Q5*/
```

```
CREATE VIEW all_larency_crimes AS
SELECT NIBRS_code, Crime_details
      FROM offences
WHERE NIBRS_code LIKE '%23%';
```

```
/*Q6*/
```

```
CREATE VIEW highest_victim_count AS
SELECT CR_Number, MAX(victims) AS Max_Victims, Type_of_crime, Crime_against
FROM incident
      JOIN offence_incident_linking USING (Incident_ID)
      JOIN offences USING (Offence_code)
```

```
JOIN crime_type USING (NIBRS_code)
JOIN crime_against USING (Crime_against_ID)
WHERE victims >= 2
GROUP BY CR_Number, Type_of_crime, Crime_against
ORDER BY Max_victims DESC
```