```sql
USE Team_6_motor_vehicles;

-- View 1
-- Shows The Contributing factor of collisions for cars made after Y2k
-- 2+ tables, Filtering, Linking table,
DROP VIEW IF EXISTS factor_gt_Y2k;
CREATE VIEW factor_gt_Y2k AS
        SELECT  c.Collision_ID AS Collision, v.Vehicle_ID AS Vehicle,
cf.Factor_ID, contf.Contributing_Factor
                    FROM Collisions c
            JOIN Collision_Vehicle USING (Collision_ID)
            JOIN Vehicles v USING (Vehicle_ID)
            JOIN Collision_Factors cf USING (Collision_ID)
            JOIN Contributing_Factors contf USING (Factor_ID)
        WHERE v.Vehicle_year > 2000;
-- Run view1
SELECT * FROM fact_twenty_twelve;

-- View 2, Shows cars that had a crash caused by Driver Innatention  past
8:00 AM
-- Subquery, 2+ tables, Filtering,
DROP VIEW IF EXISTS Car_by_Time;
CREATE VIEW Car_by_Time AS
SELECT *
FROM
        (SELECT
          v.Vehicle_type AS Car,
          Count(v.Vehicle_type) AS Number,
          c.Crash_time AS cTime,
          cf.Factor_ID AS Cause,
          contf.Contributing_Factor AS Descrpt
         FROM Vehicle_Damage vd
                    JOIN Damage d ON Vehicle_Damage_ID = Damage_ID
            JOIN Vehicles v USING (Vehicle_ID)
            JOIN Collisions c USING (Collision_ID)
            JOIN Collision_Factors cf USING (Collision_ID)
            JOIN Contributing_Factors contf USING (Factor_ID)
        GROUP BY Car, cTime, Cause, Descrpt
      HAVING  cTime > '08:00' AND Cause = 5
        ) AS sq
        ORDER BY Number;

-- Display view2
SELECT * FROM Car_by_Time;

-- View3, Shows the latest and earliest crash times of cars with a
vehicle_year greater than 2015
-- 2+ Tables, linking table, filtering, aggregate
--
DROP VIEW IF EXISTS max_time;
CREATE VIEW max_time AS
        SELECT  v.Vehicle_type AS Car, MAX(TIME_FORMAT(c.Crash_time, "%h:%i
%p")) AS Latest_Time, MIN(TIME_FORMAT(c.Crash_time, "%h:%i %p")) AS
Earliest_Time
```

```sql
    FROM Collisions c
    JOIN Collision_Vehicle cv USING (Collision_ID)
    JOIN Vehicles v USING (Vehicle_ID)
  WHERE v.Vehicle_year > 2015
    GROUP BY Car;


-- Display View3
SELECT * FROM max_time;


-- View4, Shows the highest Damage_ID each type of vehicle in the dataset
has recieved throughout the many collisions
-- 2+ tables, aggregate
DROP VIEW IF EXISTS Maximum_dam;
CREATE VIEW Maximum_dam AS
SELECT v.Vehicle_type AS Vehicle, MAX(Vehicle_Damage_ID) AS max_dam
FROM Vehicles v
    JOIN Vehicle_Damage vd USING (Vehicle_ID)
GROUP BY Vehicle
ORDER BY max_dam;


-- Display View4
SELECT * FROM  Maximum_dam;


-- View5, Allows for quick lookup of the vehicle info of the drivers
-- Fifth view, 2+ Tables
DROP VIEW IF EXISTS Driver_vehicles;
CREATE VIEW Driver_vehicles AS
    SELECT
                d.Vehicle_ID AS Vehicle,
        d.Driver_ID AS Driver,
        v.Vehicle_type AS Car,
        v.Vehicle_make AS Model,
        d.Driver_sex AS Driver_Sex,
        d.Driver_license_status AS License_Status,
        d.Driver_license_jurisdiction AS License_Jurisdiction
    FROM Driver d
                JOIN Vehicles v USING (Vehicle_ID);


-- Display View5
SELECT * FROM Driver_vehicles
```