1. Store procedure for our first advanced query

```
CREATE DEFINER=`root`@`%` PROCEDURE `GetMostFlightDelayByAirline`()
BEGIN
    DECLARE varAirline VARCHAR(50);
    DECLARE varmostDelays LONG:
    DECLARE message VARCHAR(100);
    DECLARE exit loop BOOLEAN DEFAULT FALSE;
    DECLARE custCur CURSOR FOR
        (SELECT A.name, COUNT(Ac.airlineCode) AS mostDelayss
        FROM Airline A JOIN FlightActual Ac ON A.airlineCode = Ac.airlineCode
        WHERE Ac.arrivalDelayTime > 0
        GROUP BY A.airlineCode
        ORDER BY mostDelayss DESC
        );
    DECLARE CONTINUE HANDLER FOR NOT FOUND SET exit loop = TRUE;
    DROP TABLE IF EXISTS NewTable:
    CREATE TABLE NewTable (
      airlineName VARCHAR(100) Primary Key,
      mostDelays INT,
      message2 VARCHAR(100)
    );
    OPEN custCur;
        cloop: LOOP
        FETCH custCur INTO varAirline, varmostDelays;
        IF exit loop THEN
            LEAVE cloop;
        END IF;
        IF varmostDelays > 687.0 THEN
            SET message = "Only pick this airline if you have to!!!!
        ELSEIF varmostDelays > 300.0 THEN
            SET message = "There are better airlines...";
        ELSE
            SET message = "Best airline to travel!";
        END IF;
        INSERT INTO NewTable VALUE (varAirline, varmostDelays, message);
        END LOOP cloop;
     CLOSE custCur;
     SELECT airlineName, mostDelays, message2
     FROM NewTable
     ORDER BY airlineName;
END
```

2. Store procedure for our second advanced query

```
CREATE DEFINER=`root`@`%` PROCEDURE `GetStateDelayTime`()
      BEGIN
          DECLARE varState VARCHAR(2);
          DECLARE varAvg delay LONG;
          DECLARE varMajor delay VARCHAR(100);
          DECLARE exit_loop BOOLEAN DEFAULT FALSE;
          DECLARE custCur CURSOR FOR
              (SELECT A.state AS state, AVG(Ac.arrivalDelayTime) AS avg_delay
              FROM FlightActual Ac JOIN FlightSchedule F ON Ac.flightNumber =
F.flightNumber AND Ac.date = F.date AND Ac.tailNumber = F.tailNumber JOIN
Airport A ON F.airportDestinationCode = A.airportCode
              WHERE Ac.arrivalDelayTime > 0
              GROUP BY A.state
              ORDER BY A.state);
          DECLARE CONTINUE HANDLER FOR NOT FOUND SET exit loop = TRUE;
          DROP TABLE IF EXISTS NewTable:
          CREATE TABLE NewTable (
                   VARCHAR(100) Primary Key,
            state
            avg delay LONG,
            major Delay VARCHAR(100)
          );
          OPEN custCur:
              cloop: LOOP
              FETCH custCur INTO varState, varAvg delay;
              IF exit loop THEN
                  LEAVE cloop;
              END IF:
              IF varAvg_delay > 30 THEN
                  SET varMajor delay = "MAJOR delay";
              ELSEIF varAvg_delay > 20 THEN
                  SET varMajor delay = "Some delay";
                  SET varMajor delay = "Little to no delay";
              INSERT INTO NewTable VALUE (varState, varAvg delay,
varMajor delay);
              END LOOP cloop;
           CLOSE custCur;
           SELECT state, avg delay, major Delay
           FROM NewTable;
      END
```

Trigger