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CREATE PROCEDURE A10STOREDPROCEDURE
AS
BEGIN
    ALTER TABLE FACTS
    DROP CONSTRAINT FACTS_FK

    TRUNCATE TABLE PILOTDIM
    TRUNCATE TABLE MODELDIM
    TRUNCATE TABLE TIMEDIM
    TRUNCATE TABLE FACTS
    TRUNCATE TABLE STAGING

    ALTER TABLE FACTS
    ADD CONSTRAINT FACTS_FK FOREIGN KEY (PILOT_ID) REFERENCES PILOTDIM,
                                FOREIGN KEY (MODEL_ID) REFERENCES MODELDIM,
                                FOREIGN KEY (TIME_ID) REFERENCES TIMEDIM;

    INSERT INTO          PILOTDIM
    SELECT
    FROM
        P.EMP_NUM, E.EMP_FNAME, E.EMP_LNAME
    PILOT P INNER JOIN EMPLOYEE E ON P.EMP_NUM = E.EMP_NUM

    INSERT INTO          MODELDIM
    SELECT
    FROM
        MOD_CODE, MOD_NAME
    MODEL

    INSERT INTO          TIMEDIM
    SELECT
    FROM
        CHAR_DATE
    CHARTER

    INSERT INTO          STAGING (EMP_NUM, EMP_FNAME, EMP_LNAME, MOD_CODE, MOD_NAME,
    CHAR_DATE, FUEL_USED, DISTANCE, REVENUE)
    SELECT
        P.EMP_NUM, E.EMP_FNAME, E.EMP_LNAME, M.MOD_CODE, M.MOD_NAME,
    CH.CHAR_DATE, CHAR_FUEL_GALLONS AS 'FUEL_USED', CHAR_DISTANCE AS 'DISTANCE',
        (CHAR_FUEL_GALLONS*MOD_CHG_MILE) AS 'REVENUE'
    FROM
        PILOT P INNER JOIN EMPLOYEE E ON P.EMP_NUM = E.EMP_NUM
        INNER JOIN CREW CR ON E.EMP_NUM = CR.EMP_NUM
        INNER JOIN CHARTER CH ON CR.CHAR_TRIP = CH.CHAR_TRIP
        INNER JOIN AIRCRAFT A ON CH.AC_NUMBER = A.AC_NUMBER
        INNER JOIN MODEL M ON A.MOD_CODE = M.MOD_CODE

    UPDATE STAGING
    SET
        PILOT_ID = P.PILOT_ID
    FROM
        STAGING S INNER JOIN PILOTDIM P ON S.EMP_NUM = P.EMP_NUM

    UPDATE STAGING
    SET
        MODEL_ID = M.MODEL_ID
    FROM
        STAGING S INNER JOIN MODELDIM M ON S.MOD_CODE = M.MOD_CODE

    UPDATE STAGING
    SET
        TIME_ID = T.TIME_ID
    FROM
        STAGING S INNER JOIN TIMEDIM T ON S.CHAR_DATE = T.CHAR_DATE

    INSERT INTO          FACTS
    SELECT
    FROM
        PILOT_ID, MODEL_ID, TIME_ID, FUEL_USED, DISTANCE, REVENUE
    STAGING

END

```