DECLARE

highMpgThreshold INPUTS.HighMPG%TYPE;

totalMiles TRIP.Miles%TYPE := 0;

totalGallons TRIP.Gallons%TYPE := 0;

tripCount NUMBER := 0;

highMpgTripCount NUMBER := 0;

tripMpg TRIP.Miles%TYPE;

overallMpg NUMBER(10, 2);

BEGIN

SELECT HighMPG INTO highMpgThreshold FROM INPUTS;

DBMS\_OUTPUT.PUT\_LINE('High MPG threshold: ' || highMpgThreshold);

FOR trip IN (SELECT TID, TripDate, Miles, Gallons FROM TRIP)

LOOP

tripMpg := trip.Miles / trip.Gallons;

DBMS\_OUTPUT.PUT('Trip ' || trip.TID || ': ' || TO\_CHAR(trip.TripDate, 'DD-MON-YY') || ' ' || tripMpg);

IF tripMpg >= highMpgThreshold THEN

DBMS\_OUTPUT.PUT\_LINE(' HIGH');

highMpgTripCount := highMpgTripCount + 1;

ELSE

DBMS\_OUTPUT.PUT\_LINE('');

END IF;

totalMiles := totalMiles + trip.Miles;

totalGallons := totalGallons + trip.Gallons;

tripCount := tripCount + 1;

END LOOP;

overallMpg := totalMiles / totalGallons;

DBMS\_OUTPUT.PUT\_LINE('Overall MPG: ' || overallMpg);

DBMS\_OUTPUT.PUT\_LINE('Trips with high MPG: ' || highMpgTripCount);

END;

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