Group 1 Final Project Food Inspection

SQL Script

SnowFlake

-- Create warehouse

CREATE OR REPLACE WAREHOUSE FinalProject\_WH WAREHOUSE\_SIZE='small';

-- Create database and schema

CREATE OR REPLACE DATABASE FinalProject\_DB;

CREATE OR REPLACE SCHEMA FinalProject\_DB.FinalProject\_SCHEMA;

-- Create role

CREATE OR REPLACE ROLE FinalProject\_ROLE;

-- Grant ownership on database to account admin

GRANT OWNERSHIP ON DATABASE FinalProject\_DB TO ROLE ACCOUNTADMIN;

-- Warehouse permissions

GRANT USAGE ON WAREHOUSE FinalProject\_WH TO ROLE FinalProject\_ROLE;

-- Database permissions

GRANT USAGE ON DATABASE FinalProject\_DB TO ROLE FinalProject\_ROLE;

-- Schema permissions

GRANT OWNERSHIP ON SCHEMA FinalProject\_DB.FinalProject\_SCHEMA TO ROLE FinalProject\_ROLE;

GRANT USAGE ON SCHEMA FinalProject\_DB.FinalProject\_SCHEMA TO ROLE FinalProject\_ROLE;

-- Create user and assign default role and warehouse

CREATE OR REPLACE USER FinalProject\_USER

PASSWORD='admin@1234'

DEFAULT\_ROLE=FinalProject\_ROLE

DEFAULT\_WAREHOUSE=FinalProject\_WH;

Dbeaver

**USE** **DATABASE** FinalProject\_DB;

**USE** **SCHEMA** FinalProject\_SCHEMA;

**CREATE** **OR** **REPLACE** **TABLE** FinalProject\_DB.FinalProject\_SCHEMA.stg\_chicago\_inspections (

InspectionID **INT**,

DBA\_Name **STRING**,

AKA\_Name **STRING**,

License **FLOAT**,

Facility\_Type **STRING**,

Risk **STRING**,

Address **STRING**,

City **STRING**,

State **STRING**,

Zip **FLOAT**,

Inspection\_Date **DATE**,

Inspection\_Type **STRING**,

Results **STRING**,

Violations **STRING**,

Latitude **FLOAT**,

Longitude **FLOAT**,

Location **STRING**,

Violation\_Code **STRING**,

Violation\_Description **STRING**

);

**CREATE** **OR** **REPLACE** **TABLE** FinalProject\_DB.FinalProject\_SCHEMA.unflt\_chicago\_inspections (

InspectionID **INT**,

DBA\_Name **STRING**,

AKA\_Name **STRING**,

License **FLOAT**,

Facility\_Type **STRING**,

Risk **STRING**,

Address **STRING**,

City **STRING**,

State **STRING**,

Zip **FLOAT**,

Inspection\_Date **DATE**,

Inspection\_Type **STRING**,

Results **STRING**,

Violations **STRING**,

Latitude **FLOAT**,

Longitude **FLOAT**,

Location **STRING**,

Violation\_Code **STRING**,

Violation\_Description **STRING**

);

**SELECT** **distinct**(Result) **FROM** FCT\_CHICAGO\_INSPECTION *fci*;

**CREATE** **OR** **REPLACE** **TABLE** STG\_Dallas\_Inspection (

RecordID **INT**,

restaurant\_name **STRING**,

Inspection\_Type **STRING**,

Inspection\_Date **DATE**,

inspection\_score **INT**,

Street\_Address **STRING**,

Zip\_Code **STRING**,

LatLong **STRING**,

Violation\_desc **STRING**,

Description **STRING**,

Latitude **FLOAT**,

Longitude **FLOAT**,

Facility\_Type **STRING**,

City **STRING**,

State **STRING**,

Results **STRING**,

Risk **String**

);

**CREATE** **OR** **REPLACE** **TABLE** DIM\_Business (

Business\_Key **NUMBER**(10,0) **NOT** **NULL**,

AKA\_Name **VARCHAR**(255),

DBA\_Name **VARCHAR**(255),

License **NUMBER**(10,0)

);

-- DIM\_Date

**CREATE** **OR** **REPLACE** **TABLE** DIM\_Date(

Date\_Key **INTEGER**,

Inspection\_Date **DATE**,

**Year** **VARCHAR**(100),

**Month** **VARCHAR**(100),

Weekday **VARCHAR**(100)

)

;

-- DIM\_Facility

**CREATE** **OR** **REPLACE** **TABLE** DIM\_Facility (

Facility\_Key **NUMBER**(10,0) **NOT** **NULL**,

Facility\_Type **VARCHAR**(100)

);

-- DIM\_Location

**CREATE** **OR** **REPLACE** **TABLE** DIM\_Location (

Location\_Key **NUMBER**(10,0) **NOT** **NULL**,

Longitude **FLOAT**,

Latitude **FLOAT**,

LOCATION **VARCHAR**(100),

Zip\_Code **VARCHAR**(10),

State **CHAR**(10),

City **VARCHAR**(100),

Address **VARCHAR**(255)

);

-- DIM\_Risk

**CREATE** **OR** **REPLACE** **TABLE** DIM\_Risk(

Risk\_Key **INTEGER** ,

Risk\_Level **VARCHAR**(100),

Inspection\_Score **INTEGER**

)

;

-- DIM\_Violation

**CREATE** **OR** **REPLACE** **TABLE** DIM\_Violation(

Violation\_Key **INTEGER**,

Violation\_Description **VARCHAR**(10000)

)

;

-- ========================================

-- FACT TABLE

-- ========================================

**CREATE** **OR** **REPLACE** **TABLE** FCT\_Inspection(

Inspection\_Event\_Key **INTEGER** ,

Facility\_Key **INTEGER** ,

Business\_Key **INTEGER** ,

Location\_Key **INTEGER** ,

Violation\_Key **INTEGER** ,

Date\_Key **INTEGER** ,

Risk\_Key **INTEGER** ,

Inspection\_Type **VARCHAR**(100),

Results **VARCHAR**(50),

Inspection\_ID **INTEGER**,

Source\_Name **VARCHAR**(50),

DI\_created\_DT **date**

)

;