**Snowflake Schema + DDL Scripts**

CREATE DATABASE E\_COMMERCE;

CREATE SCHEMA E\_COMMERCE.SALES;

USE DATABASE E\_COMMERCE;

USE SCHEMA SALES;

-- Dimension Tables

CREATE TABLE DIM\_CUSTOMER (

CUSTOMER\_KEY INT AUTOINCREMENT PRIMARY KEY,

CUSTOMER\_ID STRING,

CUSTOMER\_NAME STRING,

CUSTOMER\_REGION STRING

);

CREATE TABLE DIM\_PRODUCT (

PRODUCT\_KEY INT AUTOINCREMENT PRIMARY KEY,

PRODUCT\_ID STRING,

PRODUCT\_NAME STRING,

CATEGORY STRING,

PRICE NUMBER(10,2)

);

CREATE TABLE DIM\_DATE (

DATE\_KEY INT PRIMARY KEY,

DATE DATE,

DAY\_OF\_WEEK INT,

DAY\_NAME STRING,

MONTH INT,

MONTH\_NAME STRING,

QUARTER INT,

YEAR INT

);

-- Fact Table

CREATE TABLE FACT\_ORDERS (

ORDER\_ID STRING,

ORDER\_TIMESTAMP TIMESTAMP\_NTZ,

CUSTOMER\_KEY INT REFERENCES DIM\_CUSTOMER(CUSTOMER\_KEY),

PRODUCT\_KEY INT REFERENCES DIM\_PRODUCT(PRODUCT\_KEY),

DATE\_KEY INT REFERENCES DIM\_DATE(DATE\_KEY),

QUANTITY INT,

TOTAL\_AMOUNT NUMBER(10,2)

);

-- Shipping Region is added to make sure there are orders by customer from multiple regions

ALTER TABLE FACT\_ORDERS ADD COLUMN SHIPPING\_REGION STRING;

