PROJECT REPORT

CAMP BI V3 Batch 1 Group 4

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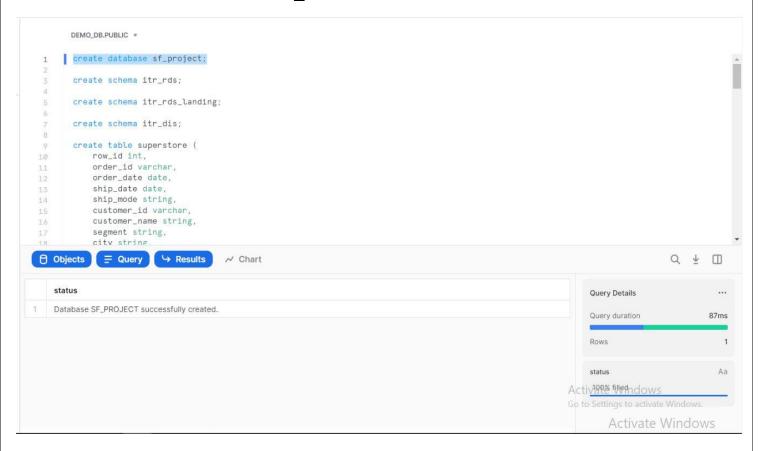
PROJECT DESCRIPTION

The project involves data ingestion and analysis from public datahub Kaggle <u>link</u>.

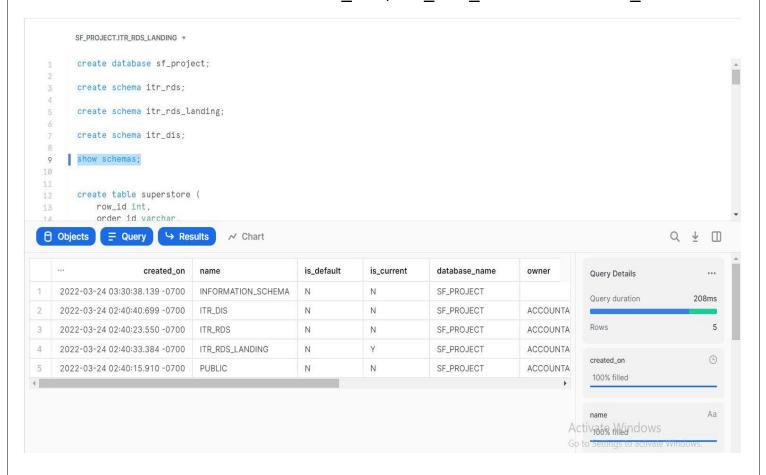
- Steps involved in performing the data ingestion:
 - a. Loading data to external stage
 - b. Ingesting data into the landing schema
 - c. Ingesting data into the consumer table
 - d. Perform analysis on the given dataset

UNIT TEST REPORT

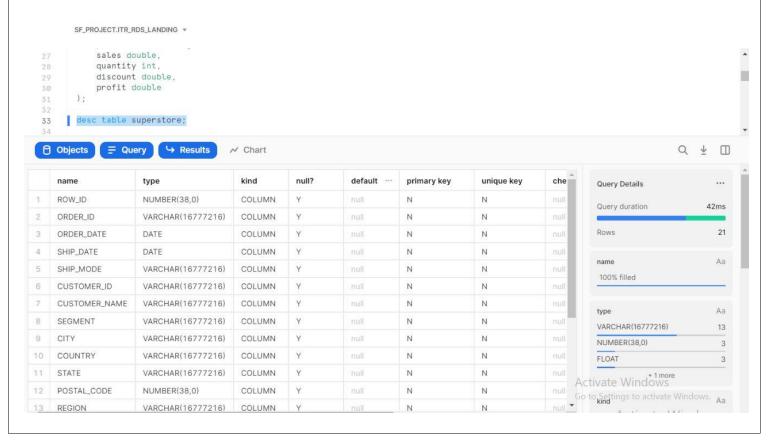
Created a database named SF_PROJECT;



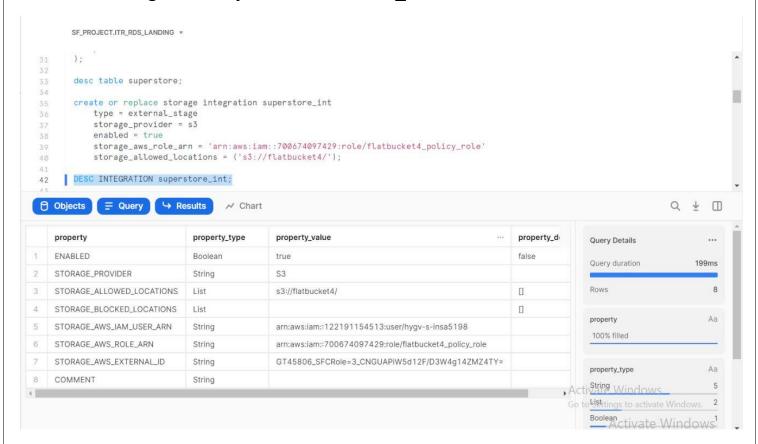
2. Created three schemas named ITR_RDS, ITR_RDS_LANDING and ITR_DIS



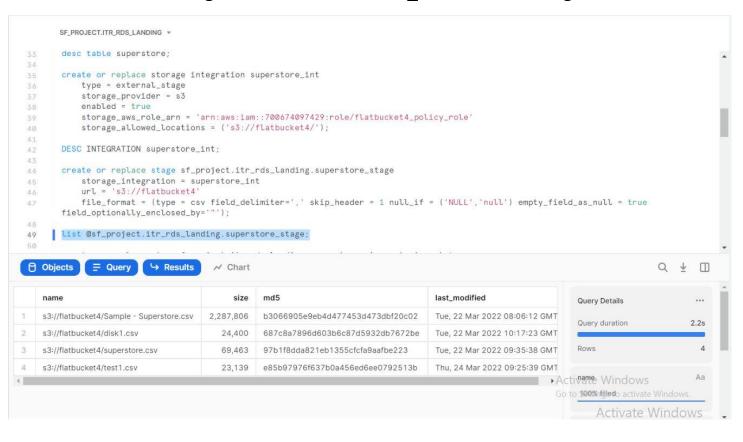
3. Created a table named SUPERTORE as per the data set



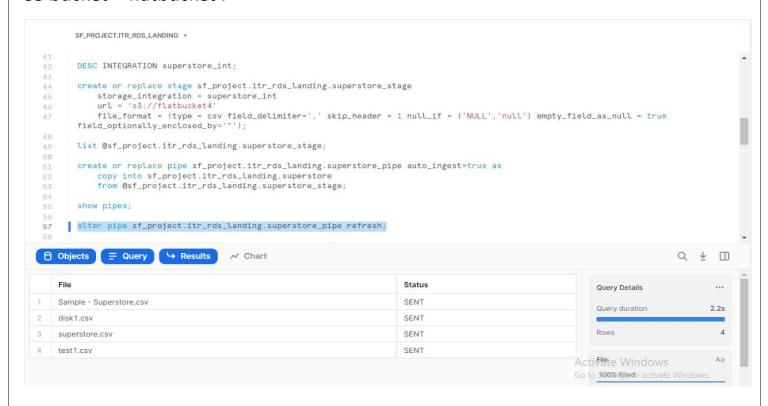
4. Created Integration object named SUPER_STORE



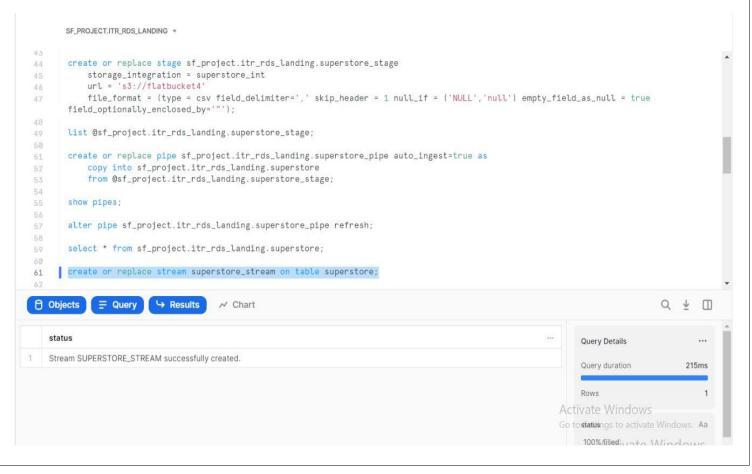
5. Created external stage named SUPERSTORE_STAGE for loading data structures



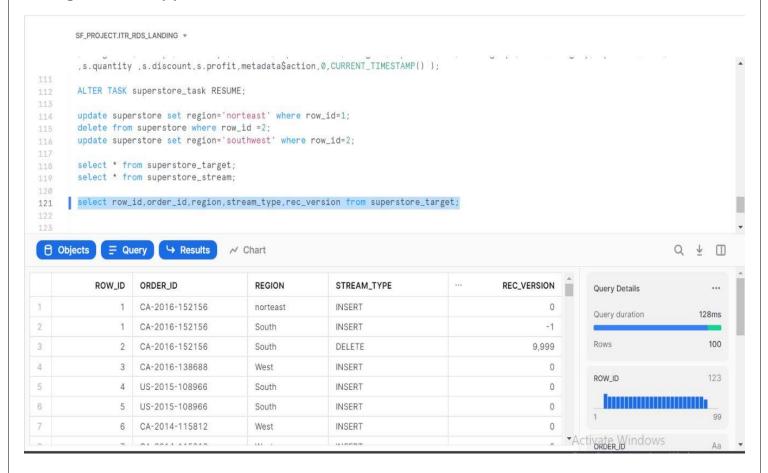
6. Created a snowpipe named SUPERSTORE_PIPE for autoingesting the data from S3 bucket – flatbucket4



7. Created stream SUPERSTORE_STREAM on table SUPERSTORE



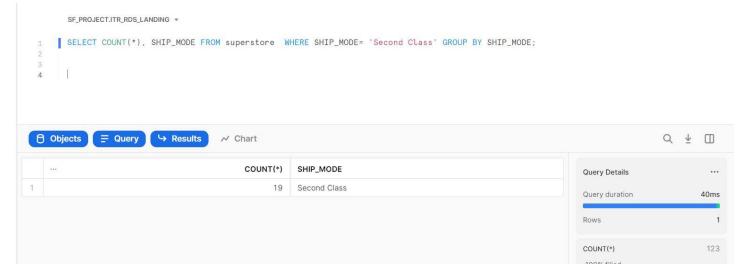
8. Performed SCD 2 operation on consumer table SUPERSTORE_TARGET as per changes that happen in the source table SUPERSTORE



DATA ANALYSIS ON THE GIVEN DATASET

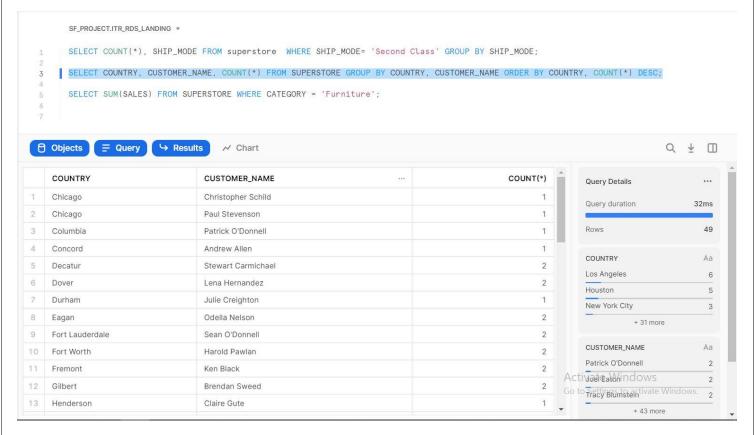
--1. Calculate the number of Orders those with Ship Mode as 'Second Class'

SELECT COUNT(*), SHIP_MODE FROM superstore WHERE SHIP_MODE= 'Second Class' GROUP BY SHIP_MODE;



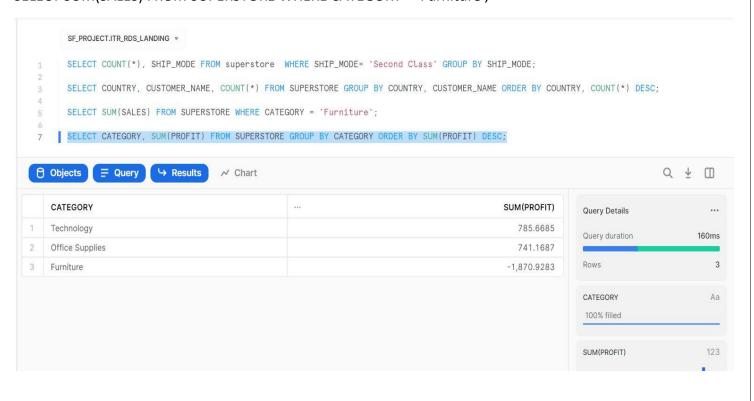
--2. List down the most valuable customers Country wise

SELECT COUNTRY, CUSTOMER_NAME, COUNT(*) FROM SUPERSTORE GROUP BY COUNTRY, CUSTOMER_NAME ORDER BY COUNTRY, COUNT(*) DESC;



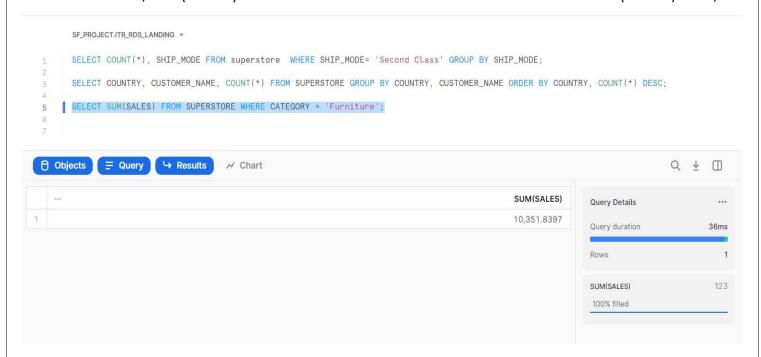
--3. Total Sales for Category 'Furniture'

SELECT SUM(SALES) FROM SUPERSTORE WHERE CATEGORY = 'Furniture';



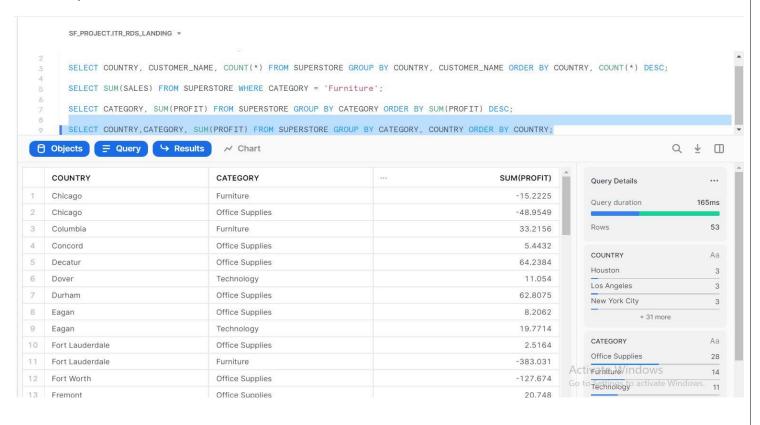
--4. Which Product provides the maximum profit

SELECT CATEGORY, SUM(PROFIT) FROM SUPERSTORE GROUP BY CATEGORY ORDER BY SUM(PROFIT) DESC;



--5. Calculate the total profit made by each product category country wise

SELECT COUNTRY, CATEGORY, SUM(PROFIT) FROM SUPERSTORE GROUP BY CATEGORY, COUNTRY ORDER BY COUNTRY;



--6. Which region of United States have majority loss?

SELECT REGION, MIN(PROFIT) FROM SUPERSTORE GROUP BY REGION;

