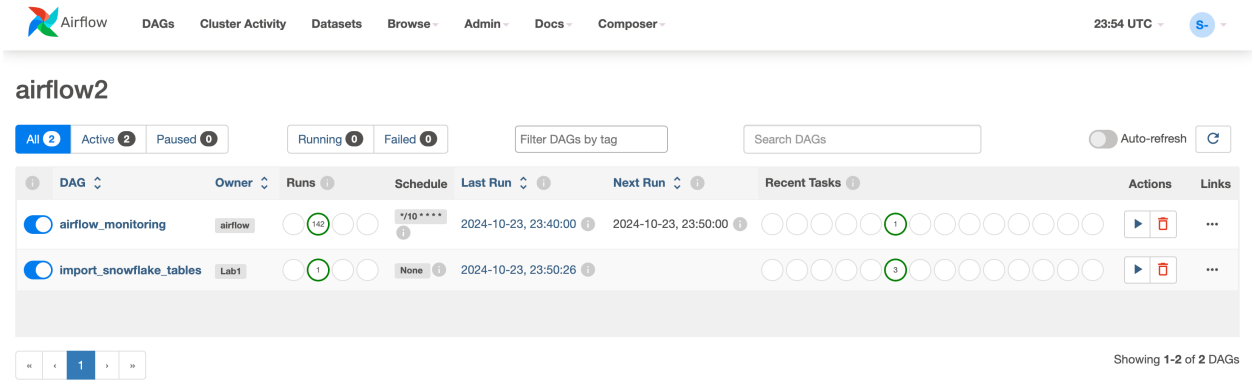
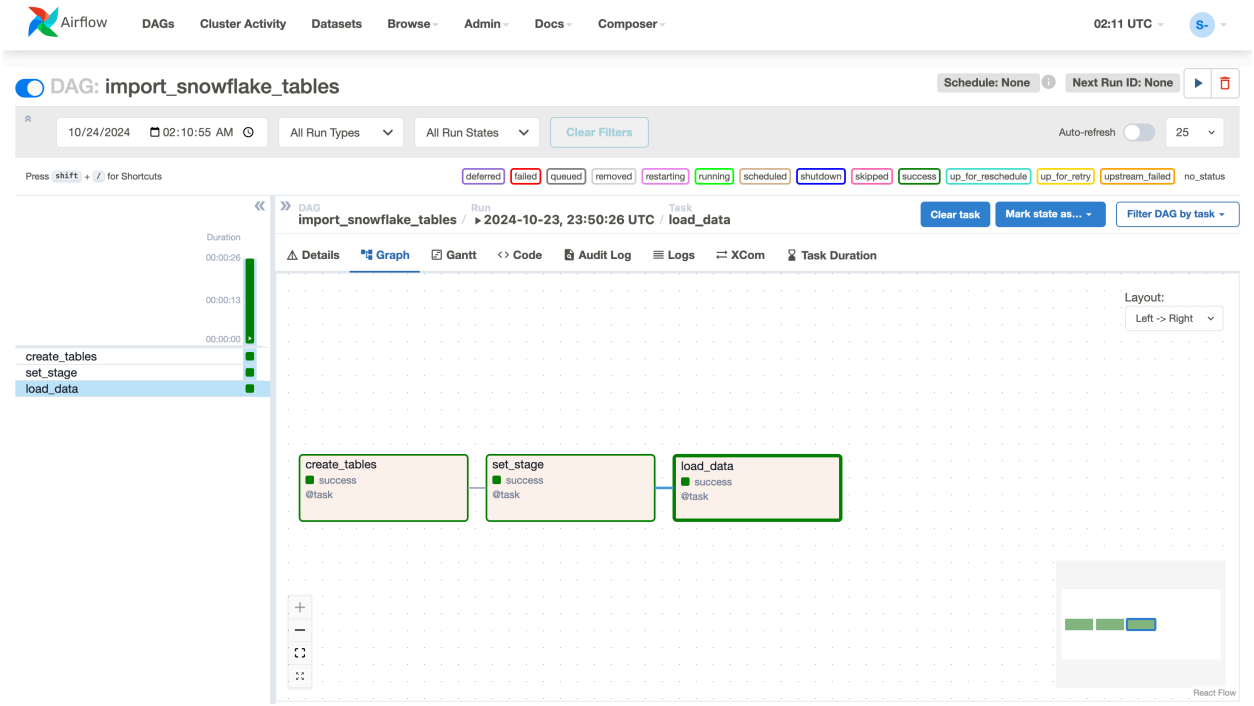
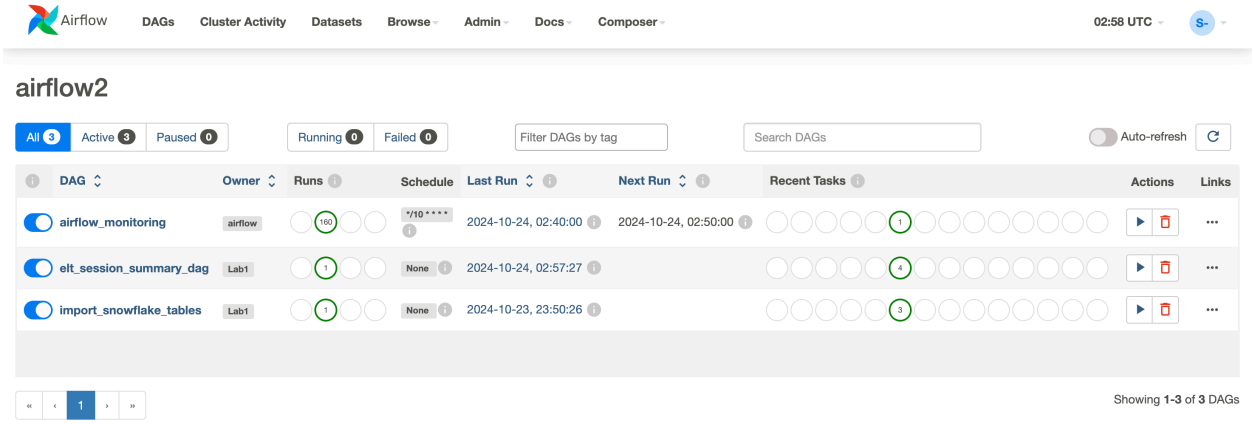
DATA 226 Assignment 7

Question 1: Import two tables in your SnowflakeLinks to an external site. as an ETL DAG in your Airflow

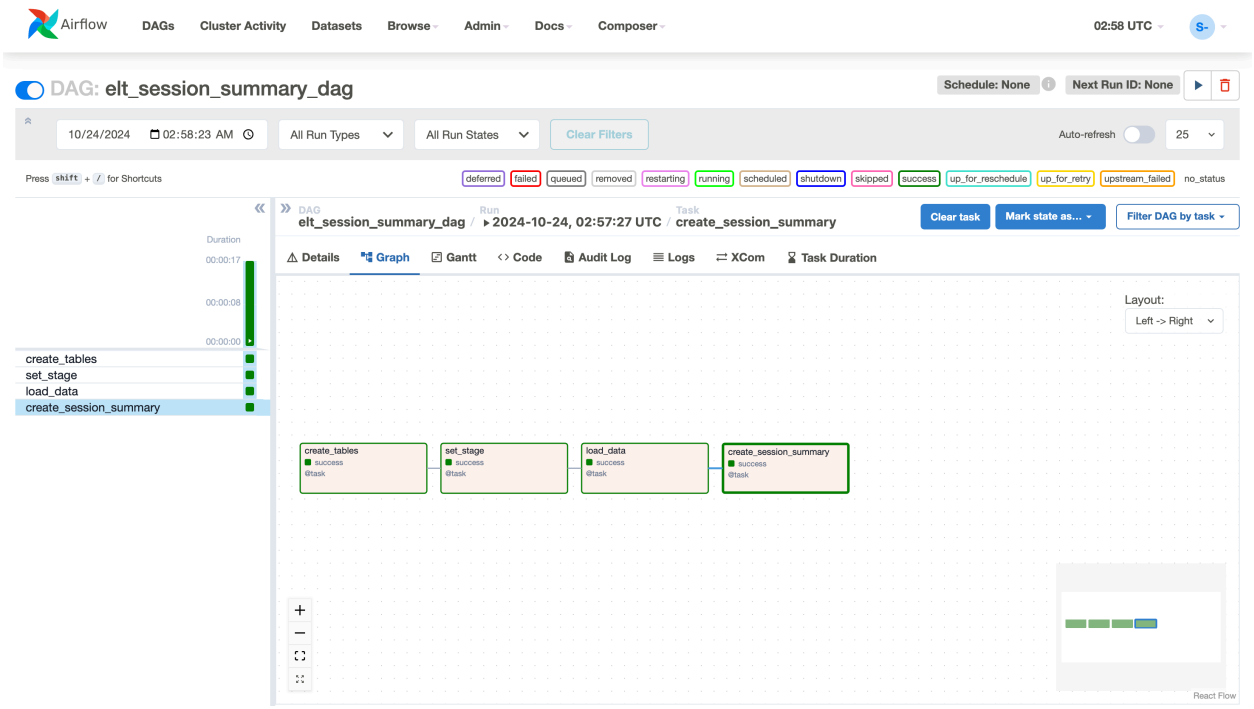




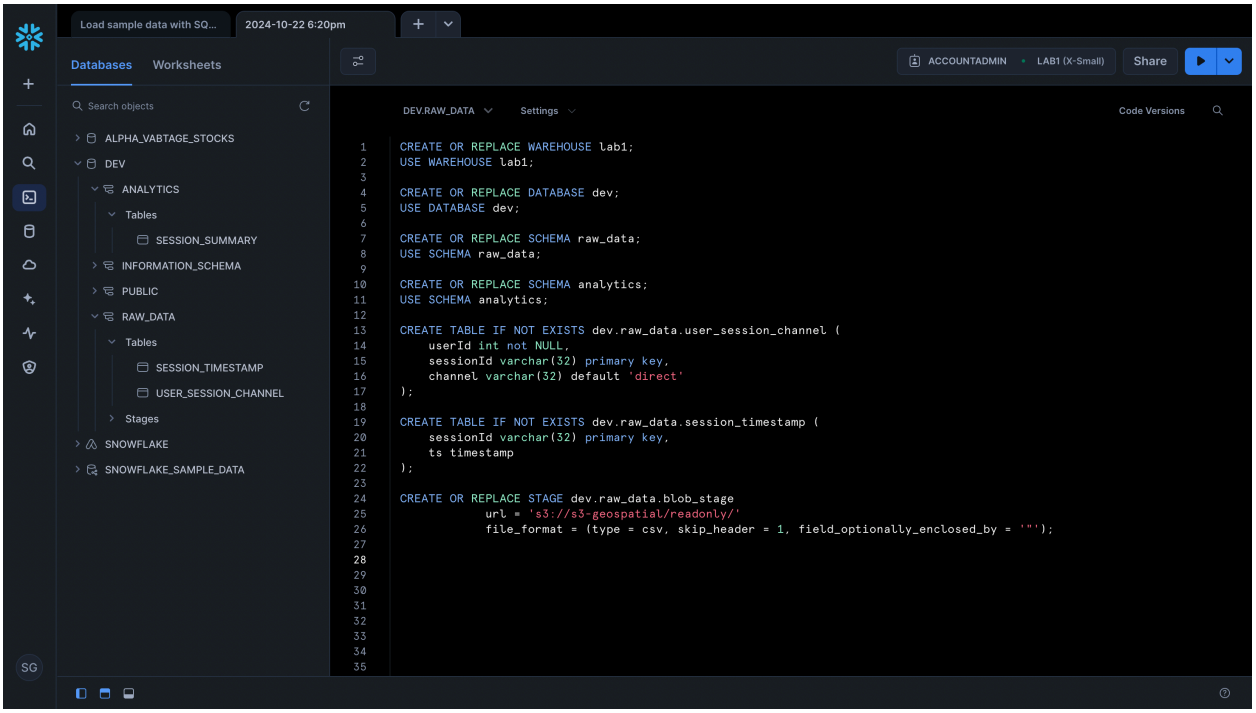
Question 2:
Create an ELT DAG in your Airflow to create a JOINED table of the two

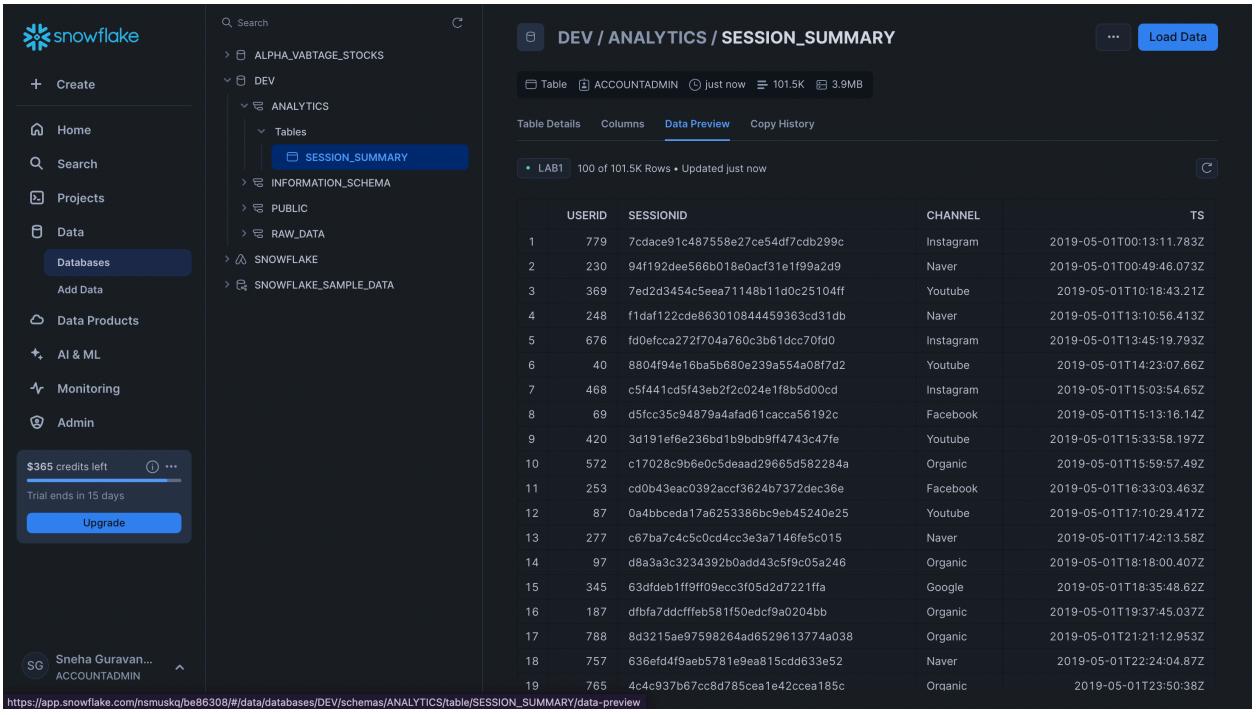


Version: 2.9.3+composer
Environment Name: airflow2



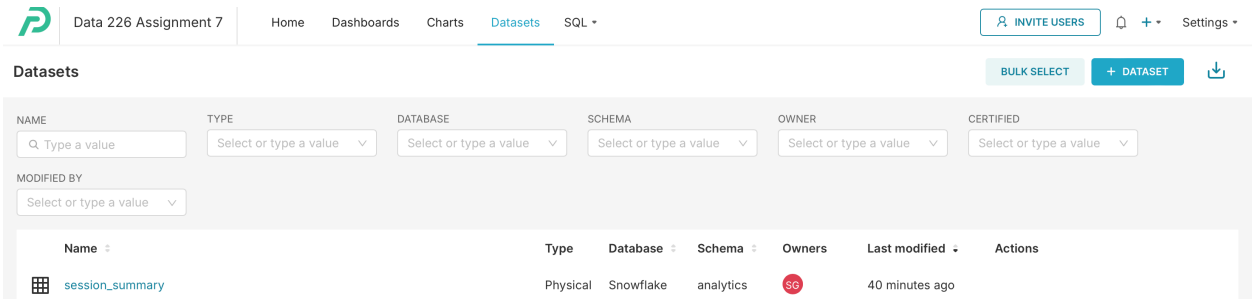
Snowflake:


Load sample data with SQ...
2024-10-22 6:20pm
Databases
Worksheets
Search objects
ALPHA_VABTAGE_STOCKS
DEV
ANALYTICS
Tables
SESSION_SUMMARY
INFORMATION_SCHEMA
PUBLIC
RAW_DATA
Tables
SESSION_TIMESTAMP
USER_SESSION_CHANNEL
Stages
SNOWFLAKE
SNOWFLAKE_SAMPLE_DATA
ACCOUNTADMIN
LAB1 (X-Small)
Share
DEV.RAW_DATA
Settings
Code Versions
CREATE OR REPLACE WAREHOUSE lab1;
USE WAREHOUSE lab1;
CREATE OR REPLACE DATABASE dev;
USE DATABASE dev;
CREATE OR REPLACE SCHEMA raw_data;
USE SCHEMA raw_data;
CREATE OR REPLACE SCHEMA analytics;
USE SCHEMA analytics;
CREATE TABLE IF NOT EXISTS dev.raw_data.user_session_channel (
userId int not NULL,
sessionId varchar(32) primary key,
channel varchar(32) default 'direct'
);
CREATE TABLE IF NOT EXISTS dev.raw_data.session_timestamp (
sessionId varchar(32) primary key,
ts timestamp
);
CREATE OR REPLACE STAGE dev.raw_data.blob_stage
url = 's3://s3-geospatial/readonly/'
file_format = (type = csv, skip_header = 1, field_optionally_enclosed_by = '"');


snowflake
Create
Home
Search
Projects
Data
Databases
Add Data
Data Products
AI & ML
Monitoring
Admin
$365 credits left
Trial ends in 15 days
Upgrade
Sneha Guravan...
ACCOUNTADMIN
Search
ALPHA_VABTAGE_STOCKS
DEV
ANALYTICS
Tables
SESSION_SUMMARY
INFORMATION_SCHEMA
PUBLIC
RAW_DATA
SNOWFLAKE
SNOWFLAKE_SAMPLE_DATA
DEV / ANALYTICS / SESSION_SUMMARY
Load Data
Table
ACCOUNTADMIN
just now
101.5K
3.9MB
Table Details
Columns
Data Preview
Copy History
LAB1
100 of 101.5K Rows • Updated just now
USERID SESSIONID CHANNEL TS
1 779 7cdace91c487558e27ce54df7cdb299c Instagram 2019-05-01T00:13:11.783Z
2 230 94f192dee566b018e0acf31e1f99a2d9 Naver 2019-05-01T00:49:46.073Z
3 369 7ed2d3454c5eea71148b11d0c25104ff Youtube 2019-05-01T10:18:43.21Z
4 248 f1daf122cde863010844459363cd31db Naver 2019-05-01T13:10:56.413Z
5 676 fd0efcca272f704a760c3b61dcc70fd0 Instagram 2019-05-01T13:45:19.793Z
6 40 8804f94e16ba5b680e239a554a08f7d2 Youtube 2019-05-01T14:23:07.66Z
7 468 c5f441cd5f43eb2f2c024e1f8b5d00cd Instagram 2019-05-01T15:03:54.65Z
8 69 d5fcc35c94879a4afad61cacca56192c Facebook 2019-05-01T15:13:16.14Z
9 420 3d191ef6e236bd1b9bdb9ff4743c47fe Youtube 2019-05-01T15:33:58.197Z
10 572 c17028c9b6e0c5deaad29665d582284a Organic 2019-05-01T15:59:57.49Z
11 253 cd0b43eac0392accf3624b7372dec36e Facebook 2019-05-01T16:33:03.463Z
12 87 0a4bbceda17a6253386bc9eb45240e25 Youtube 2019-05-01T17:10:29.417Z
13 277 c67ba7c4c5c0cd4cc3e3a7146fe5c015 Naver 2019-05-01T17:42:13.58Z
14 97 d8a3a3c3234392b0add43c5f9c05a246 Organic 2019-05-01T18:18:00.407Z
15 345 63dfdeb1ff9ff09ecc3f05d2d7221ffa Google 2019-05-01T18:35:48.62Z
16 187 dfbfa7ddcfffeb581f50edcf9a0204bb Organic 2019-05-01T19:37:45.037Z
17 788 8d3215ae97598264ad6529613774a038 Organic 2019-05-01T21:21:12.953Z
18 757 636efd4f9aeb5781e9ea815cdd633e52 Naver 2019-05-01T22:24:04.87Z
19 765 4c4c937b67cc8d785cea1e42ccea185c Organic 2019-05-01T23:50:38Z
https://app.snowflake.com/nsmuskq/be86308/#/data/databases/DEV/schemas/ANALYTICS/table/SESSION_SUMMARY/data-preview

Question 3:
Set up your Preset account or Docker Superset environment

Used Preset



Question 4:
Create your WAU chart