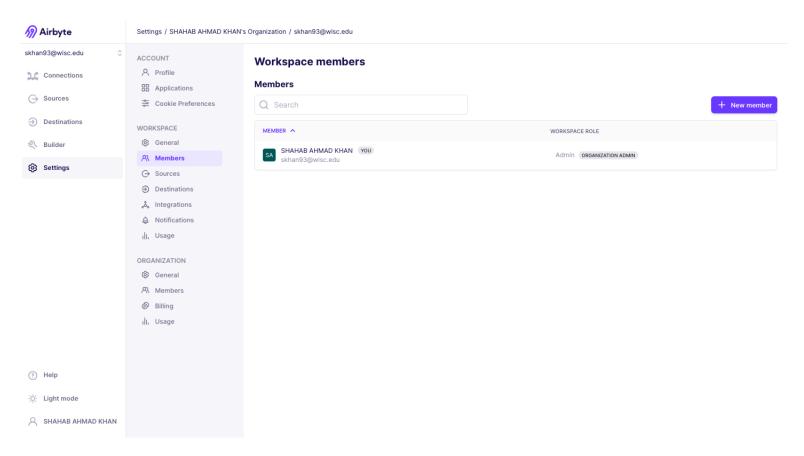
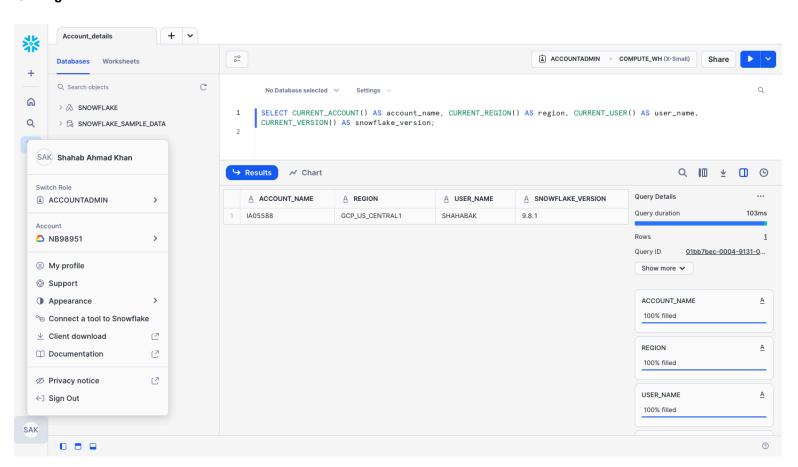
Q1. Register Airbyte Account



Q2. Register Snowflake Account



Q4. Snowflake configuration

```
-- Set variables (use uppercase)
SET p4_role = 'P4_ROLE';
SET p4 warehouse = 'P4 WAREHOUSE';
SET survey database = 'SURVEY DATABASE';
SET stock_db = 'STOCK_DB';
BEGIN;
-- Write a SQL query to switch to use accountadmin role
USE ROLE ACCOUNTADMIN;
-- Create a warehouse named P4_WAREHOUSE using xsmall as warehouse size
CREATE WAREHOUSE IF NOT EXISTS identifier($p4_warehouse)
 WAREHOUSE SIZE = 'XSMALL'
 AUTO_SUSPEND = 60
 AUTO RESUME = TRUE
 INITIALLY_SUSPENDED = TRUE;
-- Create two databases named SURVEY_DATABASE and STOCK_DB
CREATE DATABASE IF NOT EXISTS identifier($survey_database);
CREATE DATABASE IF NOT EXISTS identifier($stock_db);
COMMIT;
BEGIN;
-- Create a role named P4_ROLE and grant P4_ROLE to the SYSADMIN role
CREATE ROLE IF NOT EXISTS identifier($p4 role);
GRANT ROLE identifier($p4_role) TO ROLE SYSADMIN;
-- Grant usage on the warehouse P4 WAREHOUSE to the P4 ROLE
GRANT USAGE ON WAREHOUSE identifier($p4_warehouse) TO ROLE identifier($p4_role);
-- Grant the role P4 ROLE to your Snowflake user
GRANT ROLE identifier($p4_role) TO USER SHAHABAK;
-- Grant ownership of SURVEY_DATABASE and STOCK_DB to P4_ROLE
GRANT OWNERSHIP ON DATABASE identifier($survey database) TO ROLE identifier($p4 role);
GRANT OWNERSHIP ON DATABASE identifier($stock db) TO ROLE identifier($p4 role);
COMMIT;
BEGIN;
-- Switch to P4_ROLE
USE ROLE identifier($p4_role);

    Create a schema in SURVEY_DATABASE named SURVEY_SCHEMA

CREATE SCHEMA IF NOT EXISTS SURVEY DATABASE.SURVEY SCHEMA;
-- Create a schema in STOCK_DB named STOCK_SCHEMA
CREATE SCHEMA IF NOT EXISTS STOCK DB.STOCK SCHEMA;
```

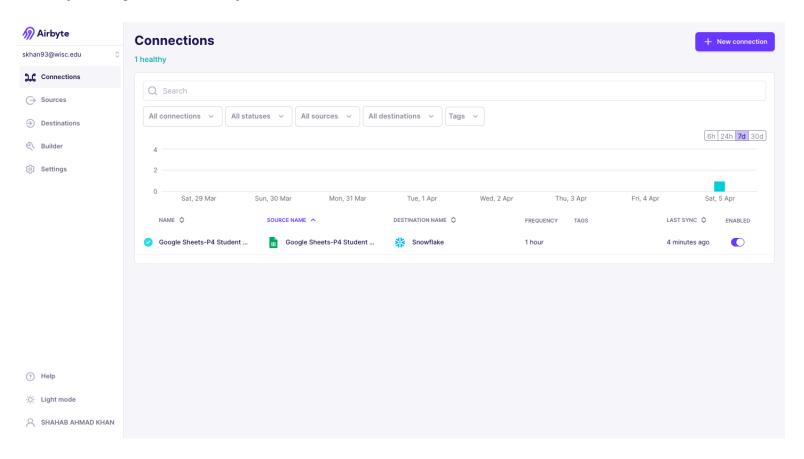
GRANT OWNERSHIP ON SCHEMA SURVEY_DATABASE.SURVEY_SCHEMA TO ROLE identifier(\$p4_role);

-- Grant ownership of SURVEY SCHEMA to P4 role

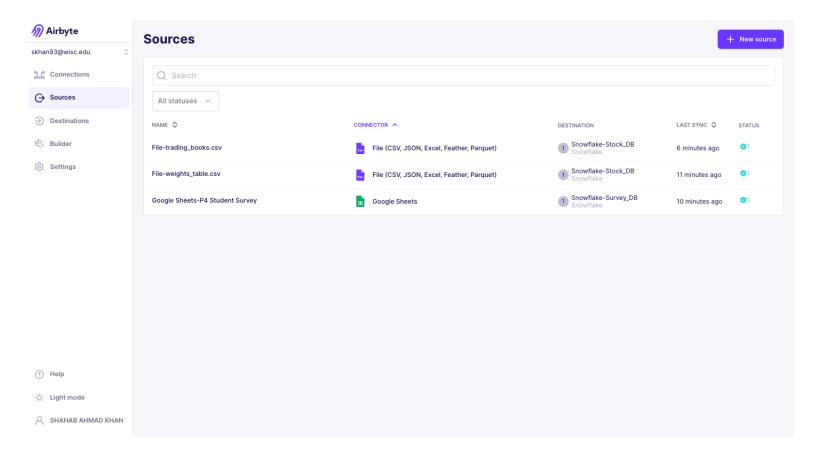
-- Grant ownership of STOCK_SCHEMA to P4_role GRANT OWNERSHIP ON SCHEMA STOCK_DB.STOCK_SCHEMA TO ROLE identifier(\$p4_role);

COMMIT;

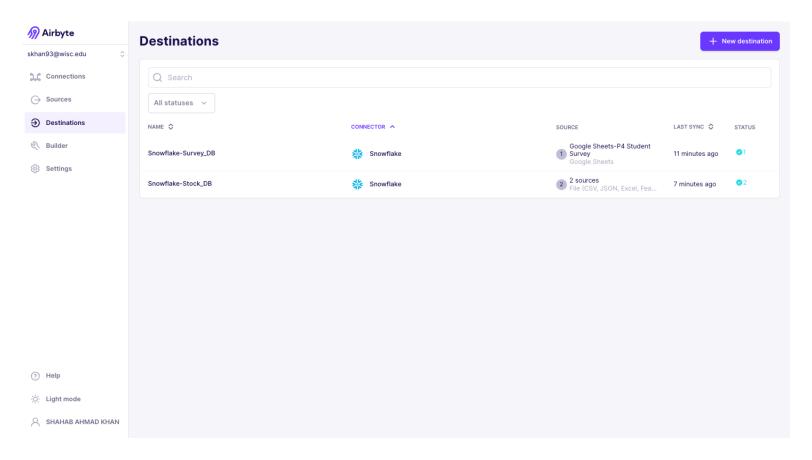
Q5. Airbyte configuration for survey



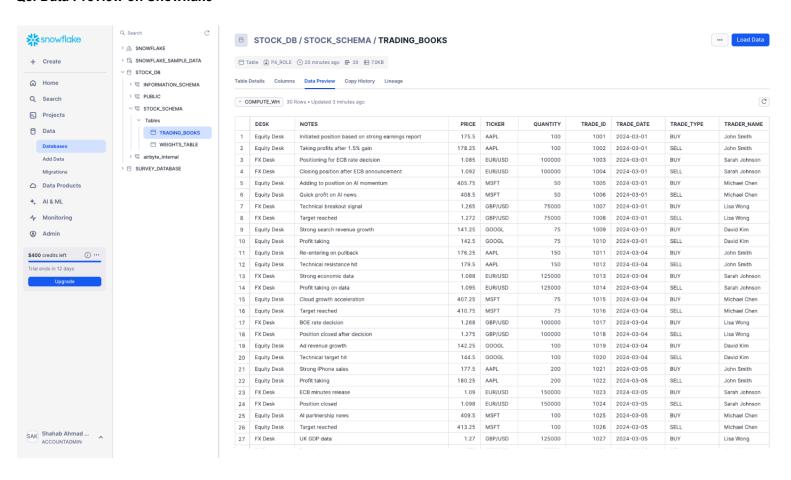
Q6. Airbyte configuration for trading_books.csv and weights_table.csv files

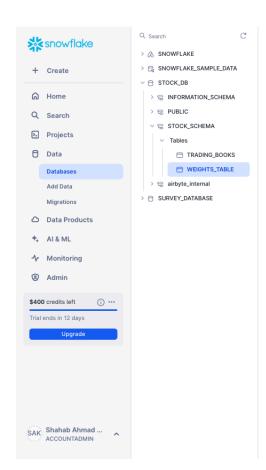


Q7. Connect Airbyte to Snowflake to load trading_books and weights_table



Q8. Data Preview on Snowflake





> % INFORMATION_SCHEMA > 8 PUBLIC

☐ TRADING_BOOKS

── WEIGHTS_TABLE

∨ 등 STOCK_SCHEMA

> 🗟 airbyte_internal

> 🗟 PUBLIC

Tables

> % INFORMATION SCHEMA

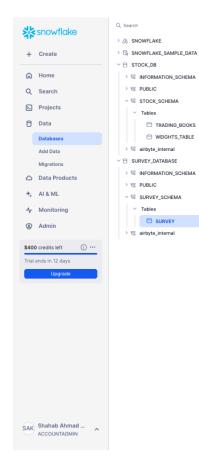
∨ 등 SURVEY_SCHEMA

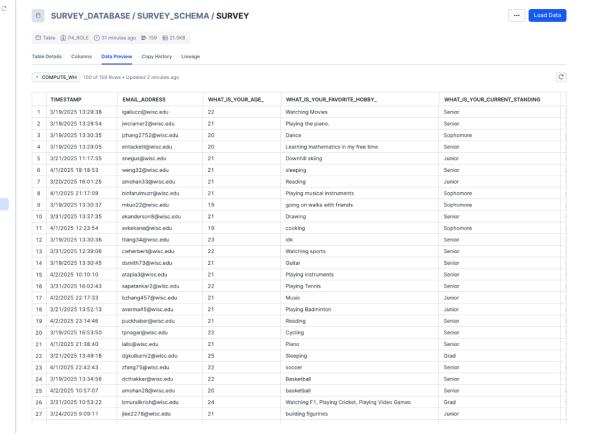
☐ SURVEY

> @ airbyte_internal

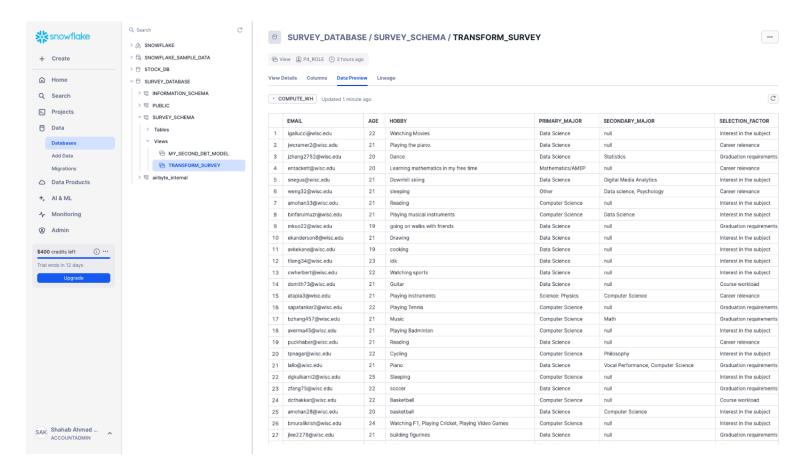
Y Tables



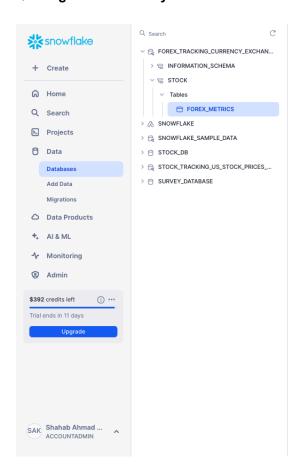


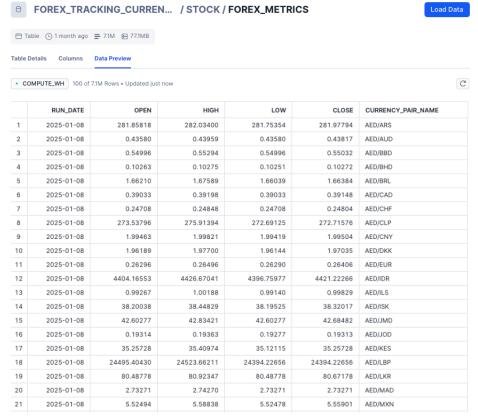


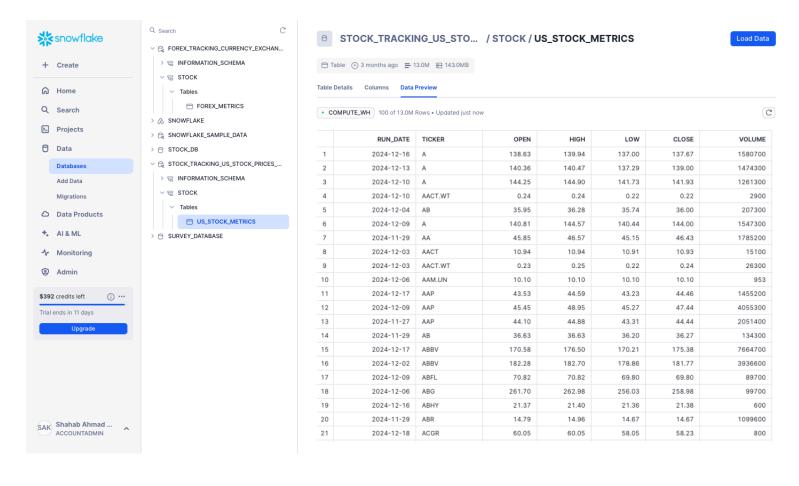
Q9. Use dbt to transform the column names to single word or two-word names with "_" separator and create a view named transform_survey.



Q17. Ingest data directly from Snowflake Marketplace







Q23. Create a fact Table for trading data

ACCOUNTADMIN

