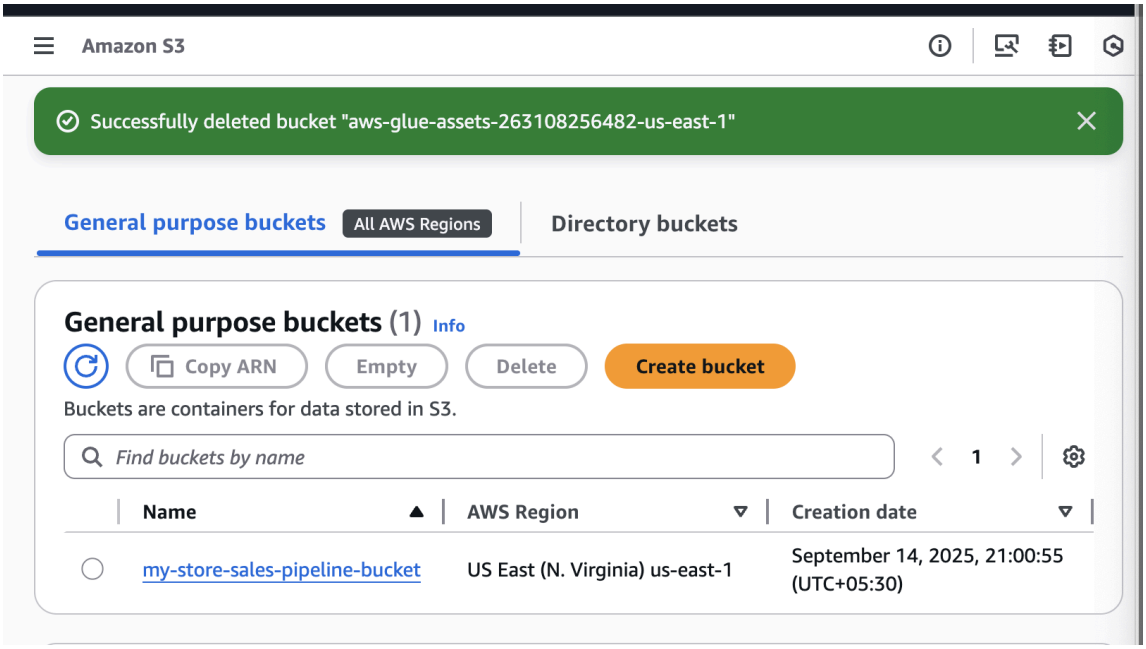
NAME:- Tejas Singh
Emp ID: AS1554

AIRFLOW ASSIGNMENT

1. ***Why I pasted it:*** **To show the raw and processed storage locations I set up for my pipeline.**

What I did there: **Created an S3 bucket named `my-store-sales-pipeline` with folders `RAW/` for input JSON files, `Processed/` for Parquet outputs, and `athena_results/` for query results.**



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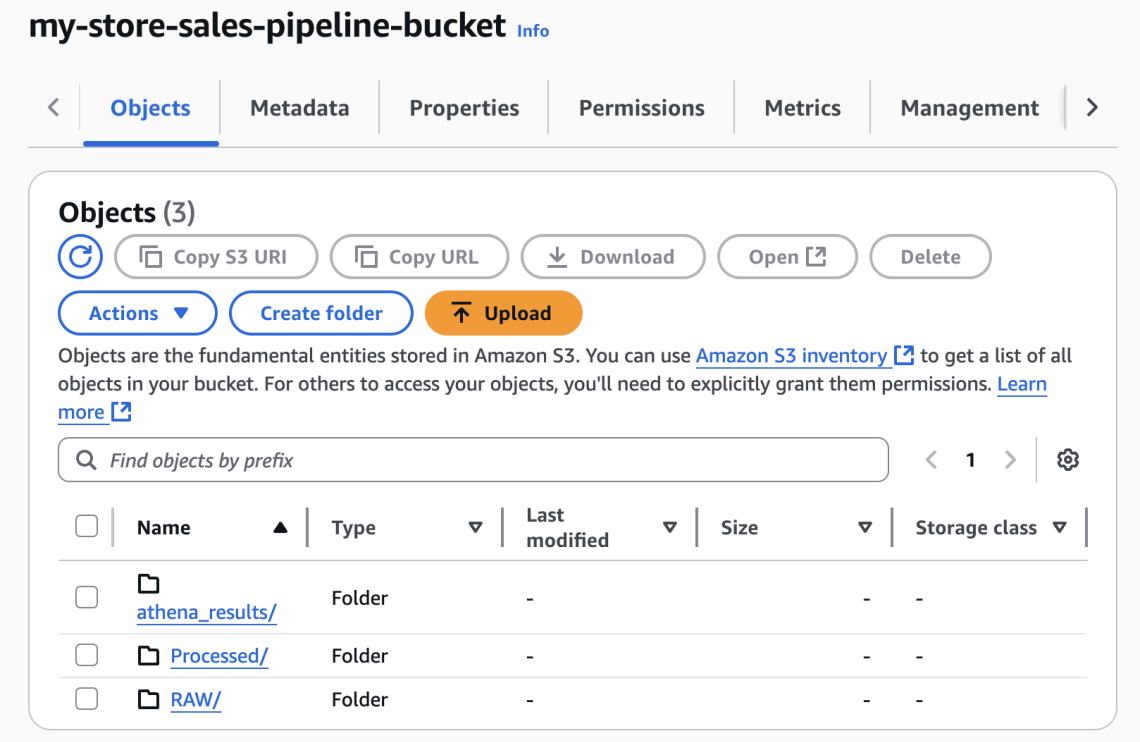

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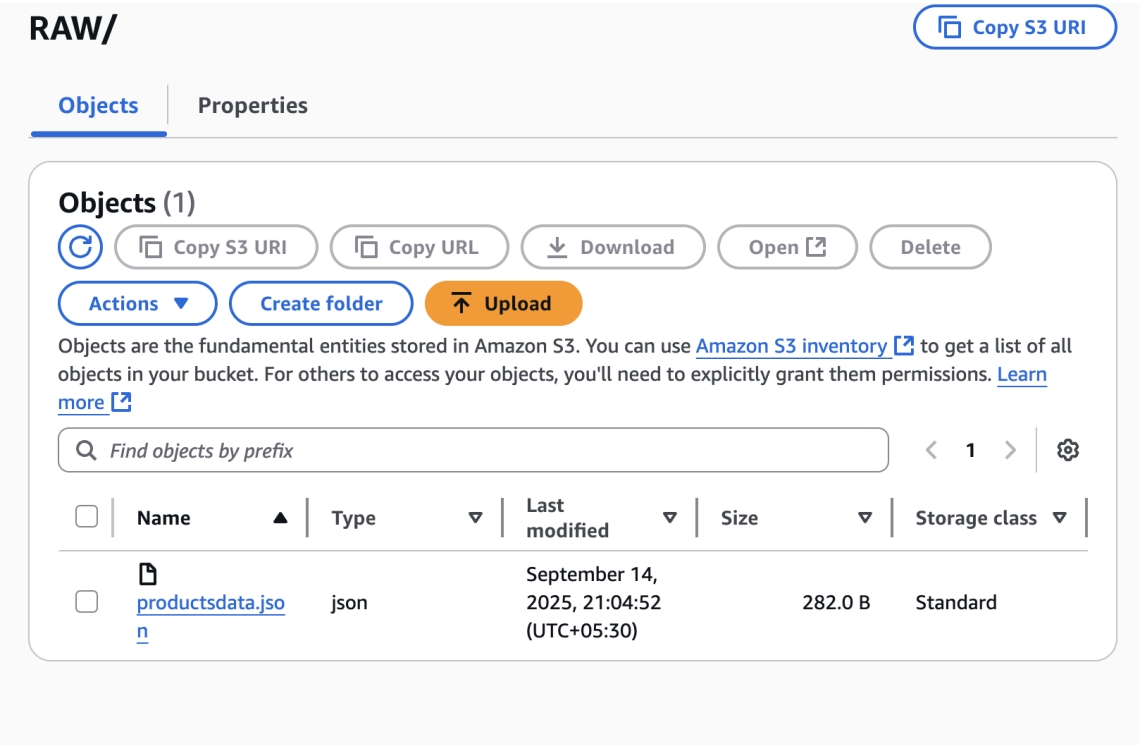

2. Why I pasted it: **To demonstrate that I configured Athena to use the Glue Data Catalog database for querying processed data.**

What I did there: **Opened Athena Query Editor and confirmed that the database `store_sales_db` is visible and available for running queries.**

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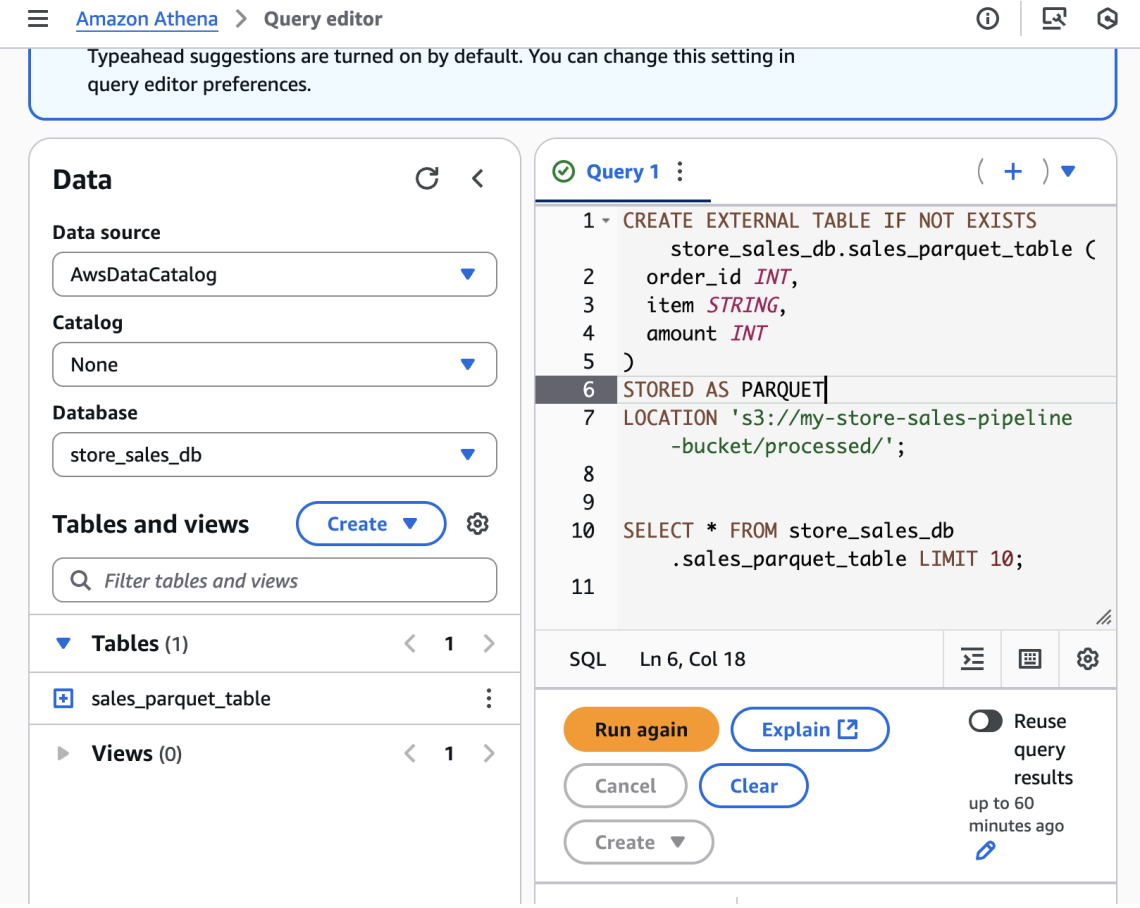

3. Why I pasted it: **To show the local environment setup needed to run Airflow without using paid MWAA.**

What I did there: **Installed Docker Desktop, pulled the official Airflow Docker Compose setup, and prepared the `dags/`, `plugins/`, and `requirements/` folders for the project.**

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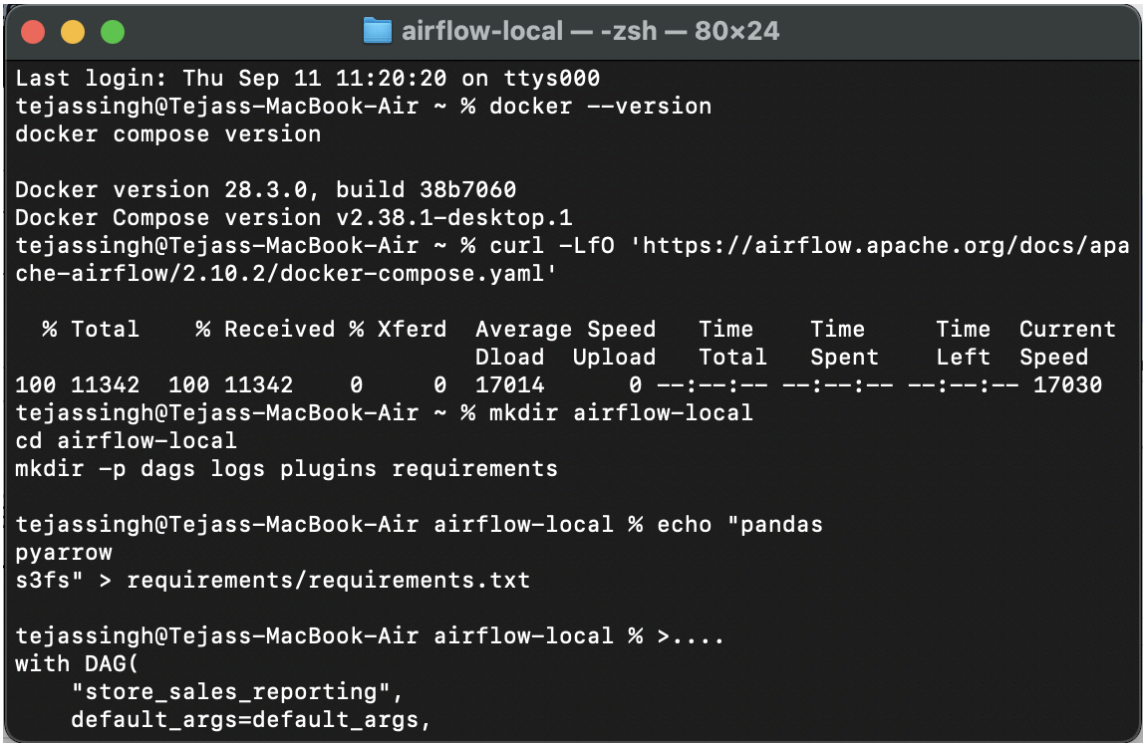

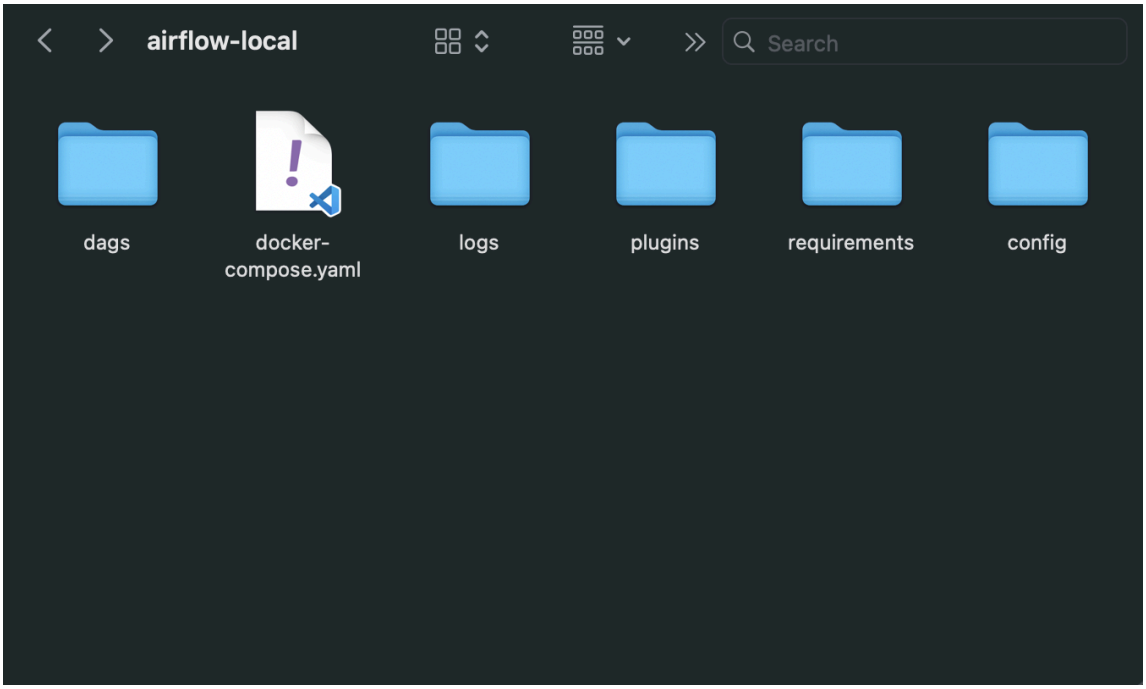

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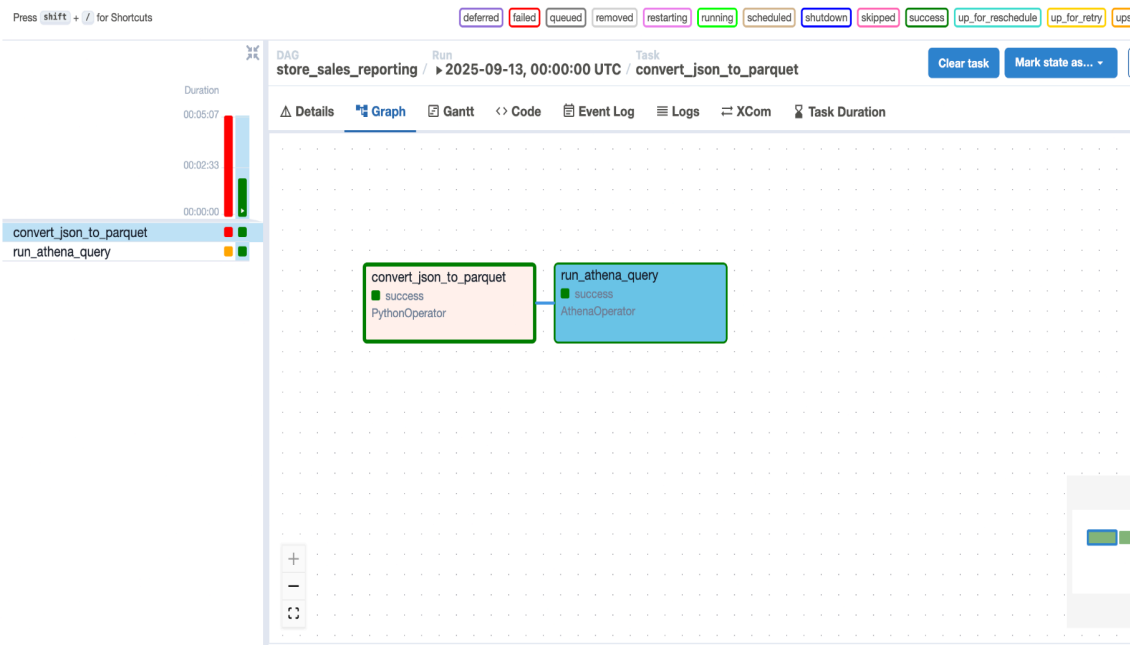
4. Why I pasted it: **To demonstrate that my DAG executed successfully, orchestrating the JSON-to-Parquet conversion and Athena table refresh.**

What I did there: **Triggered the `store_sales_reporting` DAG in the Airflow UI, and both tasks (`convert_json_to_parquet` and `run_athena_query`) completed successfully.**



5. Why I pasted it: **To validate that the DAG successfully transformed raw JSON files into Parquet format and stored them back in S3.**

What I did there: **Checked the `Processed/` folder inside my S3 bucket and confirmed that new `.parquet` files were created after the DAG run.**

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