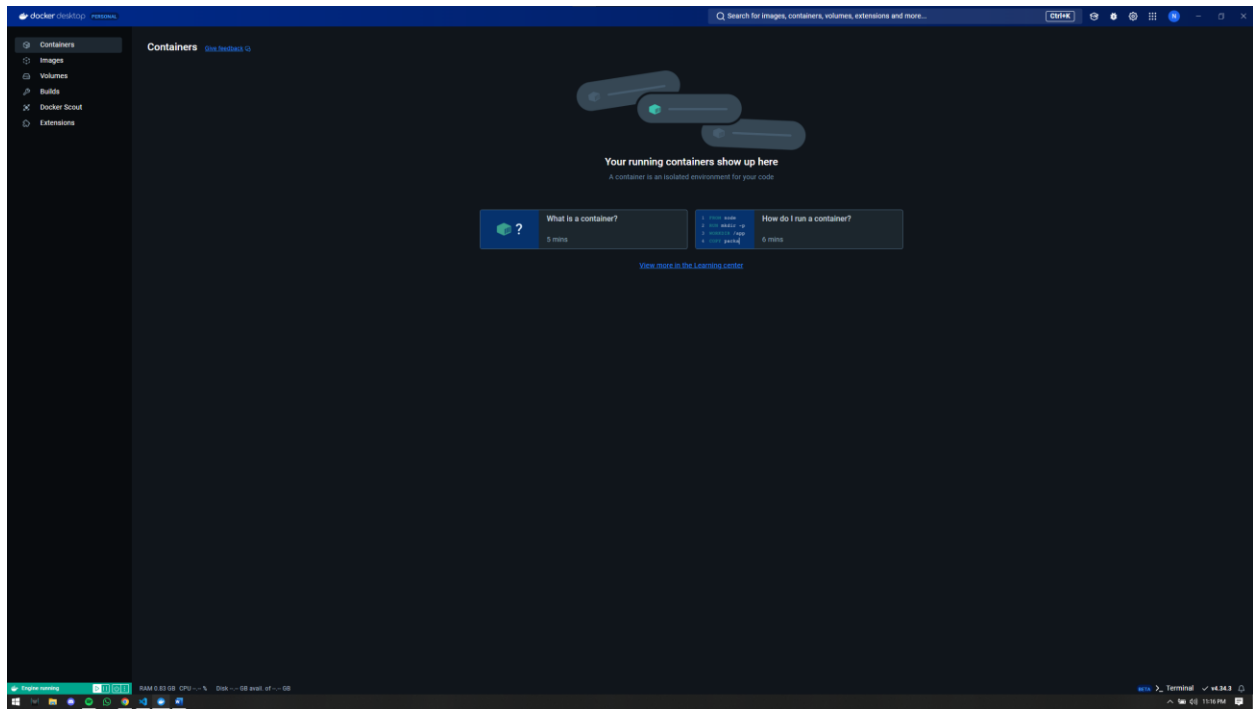
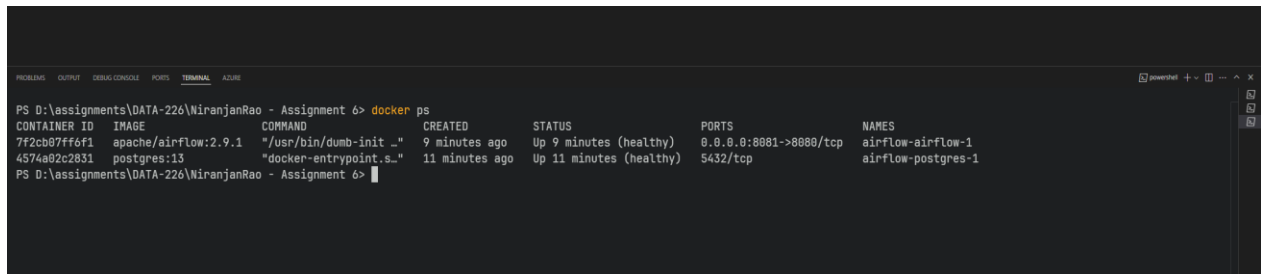


Docker Installation and Airflow Installation using Docker

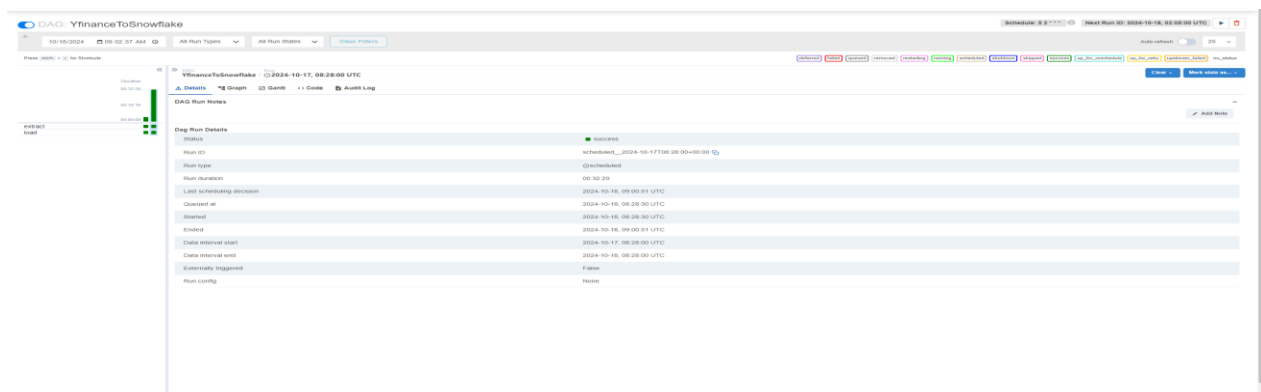
1. Install Docker Engine in your laptop (1 pt) - Capture the screenshot of your Docker Desktop running (1)



2. Run Airflow via Docker Container (2 pt) -Capture the screenshot of “docker ps” command (#2)



3. Run the **YfinanceToSnowflake** DAG in your Docker Container (3 pt) - Capture a screenshot of your Airflow Web UI showing the DAG’s detailed page (3)



https://github.com/NiranjanRao07/Docker-Airflow-Pipeline/blob/main/yfinance_to_snowflake.py

4. Run your DAG from the command line (3 pt)

```
(airflow)airflow dags list
dag_id | fileloc | owners | is_paused
=====+=====+=====+=====
HelloWorld | /opt/airflow/dags/helloWorld.py | keeyong | True
YfinanceToSnowflake | /opt/airflow/dags/yfinance_to_snowflake.py | airflow | True
```

I enabled both dags after checking status and ran them from cml

```
(airflow)airflow tasks list YfinanceToSnowflake
extract
load
```

```
PROBLEMS OUTPUT DEBUG CONSOLE PORTS TERMINAL AZURE
_ID='extract' AIRFLOW_CTX_EXECUTION_DATE='2024-10-18T09:19:53.764033+00:00' AIRFLOW_CTX_TRY_NUMBER='1' AIRFLOW_CTX_DAG_RUN_ID='manual__2024-10-18T09:19:53.764033+00:00'
[2024-10-18T09:19:55.048+0000] {taskinstance.py:430} INFO - ::endgroup::
[*****100%*****] 1 of 1 completed
[2024-10-18 09:19:55.519] {python.py:237} INFO - Done. Returned value was: {'Open': [233.44000244140625], 'High': [233.85000610351562], 'Low': [230.52999877929688], 'Close': [232.14999389648438], 'Adj Close': [232.14999389648438], 'Volume': [32263735]}
[2024-10-18T09:19:55.519+0000] {python.py:237} INFO - Done. Returned value was: {'Open': [233.44000244140625], 'High': [233.85000610351562], 'Low': [230.52999877929688], 'Close': [232.14999389648438], 'Adj Close': [232.14999389648438], 'Volume': [32263735]}
[2024-10-18T09:19:55.520+0000] {taskinstance.py:441} INFO - ::group::Post task execution logs
[2024-10-18T09:19:55.541+0000] {taskinstance.py:1206} INFO - Marking task as SUCCESS. dag_id=YfinanceToSnowflake, task_id=extract, run_id=manual__2024-10-18T09:19:53.764033+00:00, execution_date=2024-10-18T091953, start_date=, end_date=2024-10-18T091955
[2024-10-18T09:19:55.548+0000] {dag.py:4182} INFO - [DAG TEST] end task task_id=extract map_index=-1
[2024-10-18T09:19:55.559+0000] {dag.py:4168} INFO - [DAG TEST] starting task_id=load map_index=-1
[2024-10-18T09:19:55.559+0000] {dag.py:4171} INFO - [DAG TEST] running task <TaskInstance: YfinanceToSnowflake.load manual__2024-10-18T09:19:53.764033+00:00 [scheduled]>
[2024-10-18 09:19:55.586] {taskinstance.py:2648} INFO - Exporting env vars: AIRFLOW_CTX_DAG_OWNER='airflow' AIRFLOW_CTX_DAG_ID='YfinanceToSnowflake' AIRFLOW_CTX_TASK_ID='load' AIRFLOW_CTX_EXECUTION_DATE='2024-10-18T09:19:53.764033+00:00' AIRFLOW_CTX_TRY_NUMBER='1' AIRFLOW_CTX_DAG_RUN_ID='manual__2024-10-18T09:19:53.764033+00:00'
[2024-10-18T09:19:55.586+0000] {taskinstance.py:2648} INFO - Exporting env vars: AIRFLOW_CTX_DAG_OWNER='airflow' AIRFLOW_CTX_DAG_ID='YfinanceToSnowflake' AIRFLOW_CTX_TASK_ID='load' AIRFLOW_CTX_EXECUTION_DATE='2024-10-18T09:19:53.764033+00:00' AIRFLOW_CTX_TRY_NUMBER='1' AIRFLOW_CTX_DAG_RUN_ID='manual__2024-10-18T09:19:53.764033+00:00'
[2024-10-18T09:19:55.586+0000] {taskinstance.py:430} INFO - ::endgroup::
[2024-10-18T09:19:55.591+0000] {base.py:84} INFO - Using connection ID 'snowflake_conn' for task execution.
[2024-10-18T09:19:55.592+0000] {connection.py:399} INFO - Snowflake Connector for Python Version: 3.10.0, Python Version: 3.12.3, Platform: Linux-5.15.153.1-microsoft-standard-WSL2-x86_64-with-glibc2.36
[2024-10-18T09:19:55.593+0000] {connection.py:1239} INFO - This connection is in OSCP Fail Open Mode. TLS Certificates would be checked for validity and revocation status. Any other Certificate Revocation related exceptions or OSCP Responder failures would be disregarded in favor of connectivity.
[2024-10-18T09:19:56.821+0000] {cursor.py:1149} INFO - Number of results in first chunk: 1
002003 (02000): 01b7c4ef-0004-01e0-0001-8d5b0002a0ba: SQL compilation error:
```