project\_root/

├── dags/

│ └── ... (Airflow DAG files)

├── store\_files/

│ └── ... (Files to be shared between host and MySQL container)

├── sql\_files/

│ └── ... (SQL files for use in Airflow)

├── mysql.cnf (MySQL configuration file)

├── docker-compose.yml (the provided Docker Compose file)

To start docker :---

docker-compose -f .\docker-compose-LocalExecutor.yml up -d

to check things in mysql container :---

docker exec -it airflow\_project\_one-mysql-1 /bin/bash

docker exec -it airflow\_project\_one-mysql-1 mysql -u root -p

My sql secure\_file\_priv is set to below:  
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Description automatically generated

So, need to use these to outfile queries according to chat gpt and

<https://acp8.medium.com/solving-the-mysql-server-is-running-with-the-secure-file-priv-option-so-it-cannot-execute-this-d319de864285>

To change the config file in mysql we need to check what was the original file first :

ORIGINAL my.cnf file:

!includedir /etc/mysql/conf.d/

!includedir /etc/mysql/mysql.conf.d/

[mysqld]

pid-file = /var/run/mysqld/mysqld.pid

socket = /var/run/mysqld/mysqld.sock

datadir = /var/lib/mysql

secure-file-priv= ""root@90c33b04cd8b:/etc/mysql#

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THE FILE I WANT TO ADD:  
!includedir /etc/mysql/conf.d/

!includedir /etc/mysql/mysql.conf.d/

[mysqld]

pid-file = /var/run/mysqld/mysqld.pid

socket = /var/run/mysqld/mysqld.sock

datadir = /var/lib/mysql

secure-file-priv= ""

After updating the compose file :

version: '3.8'

and

adding this to dockerfile

#added new lines as the sql.cnf is not getting mounted -- so

FROM mysql:5.7.27

COPY mysql.cnf /etc/mysql/mysql.cnf

I see below change in mysql.cnf

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A screenshot of a computer

Description automatically generated

---For running the mysql queries correctly ::

To permanently add the below dependencies 🡪 add it to the docker file

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Installed below packages using airflow cli on docker, after running the docker container for airflow

| **PIP package** | **Version required** |
| --- | --- |
| apache-airflow | >=2.7.0 |
| apache-airflow-providers-common-sql | >=1.3.1 |
| mysqlclient | >=1.3.6 |
| mysql-connector-python | >=8.0.29 |

pip install apache-airflow-providers-common-sql

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Mysqlclient- was already available

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pip install mysql-connector-python

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