1. Create .env file in root directory to store the secret keys

MYSQL\_ROOT\_PASSWORD = '

MYSQL\_PASSWORD = ''

MYSQL\_DATABASE = '

MYSQL\_USER = ''

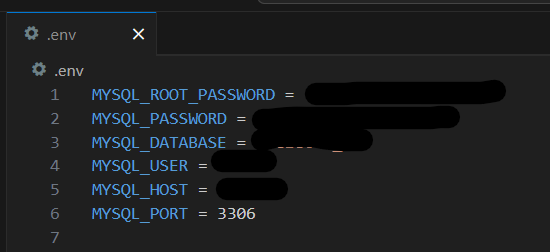
MYSQL\_HOST = ''

MYSQL\_PORT = 3306

HDFS\_NAMENODE\_USER =

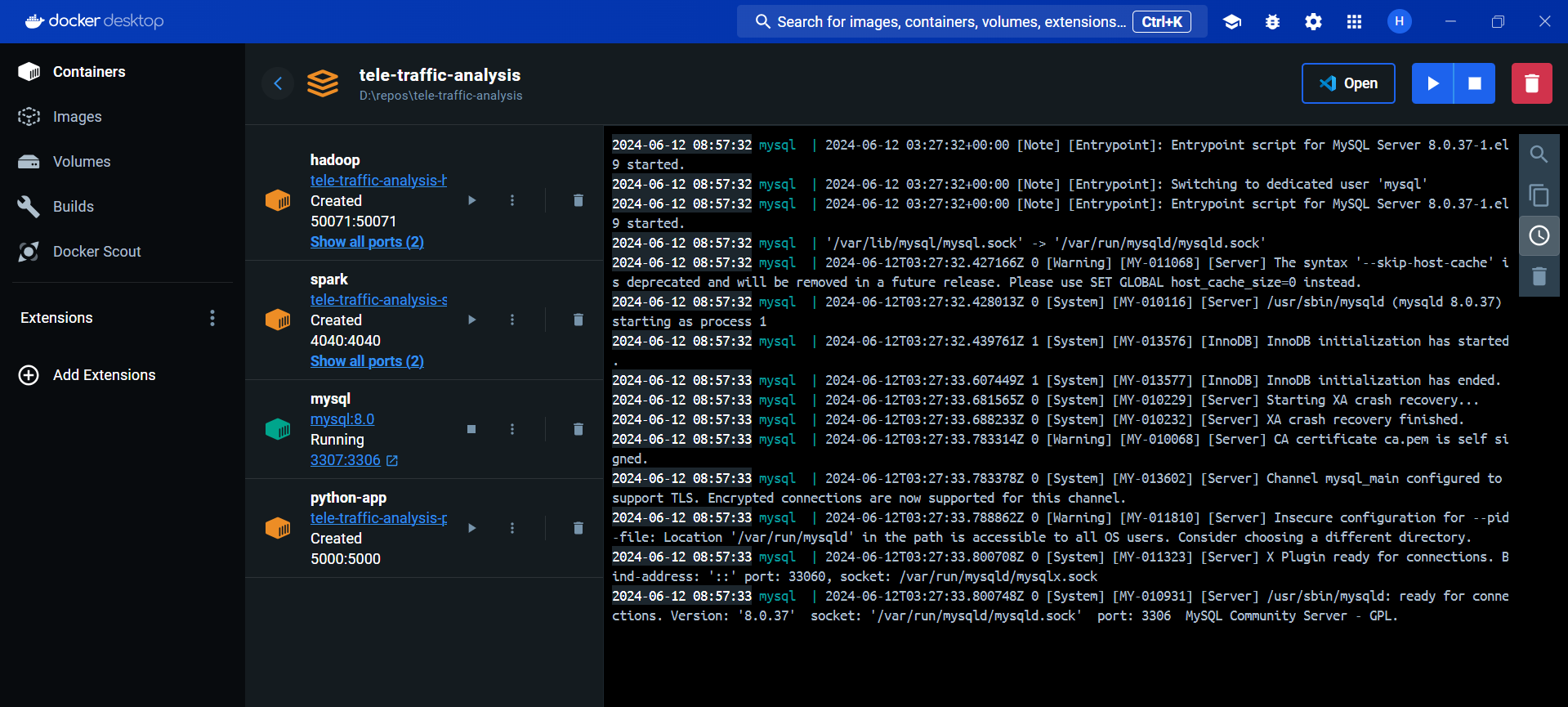
HDFS\_DATANODE\_USER =

HDFS\_SECONDARYNAMENODE\_USER =



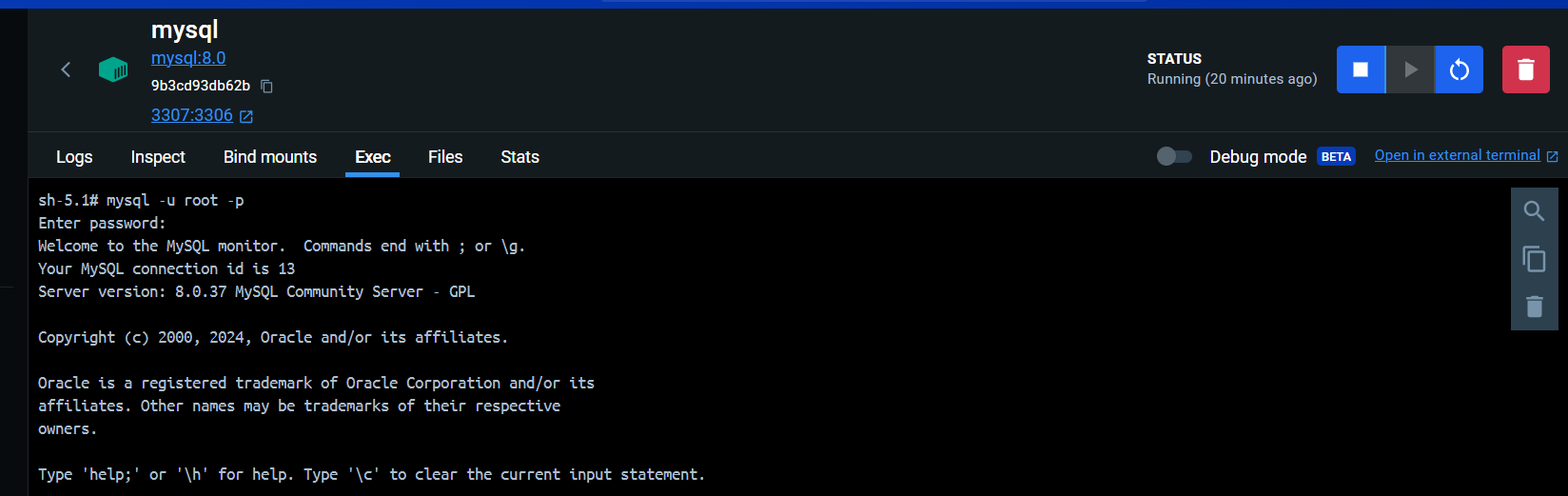
1. Run

docker-compose up –-build



1. Inside mysql, the db was not created. So ran the sql script manually from the mysql cmd
   1. Connect mysql

mysql -u root -p



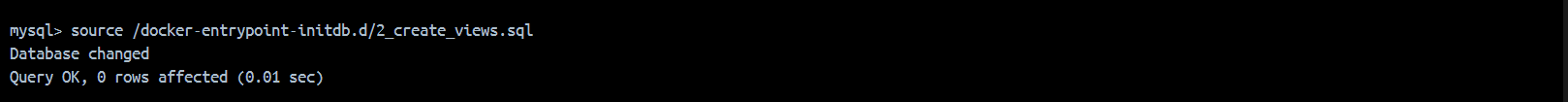
* 1. Run db scripts

source /docker-entrypoint-initdb.d/1\_init\_db.sql

A screenshot of a computer

Description automatically generated

source /docker-entrypoint-initdb.d/2\_create\_views.sql



* 1. DB was created

SHOW DATABASES;

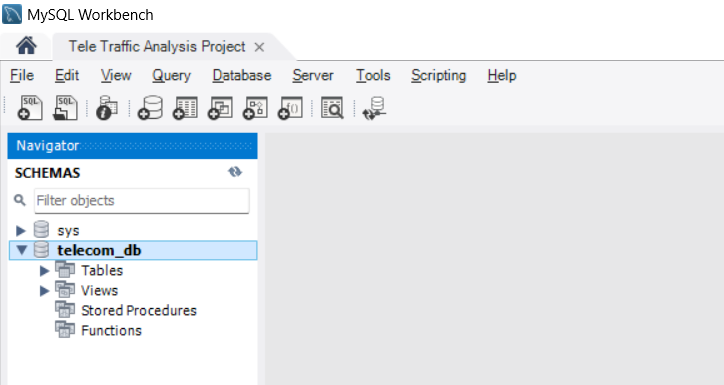
A black screen with a black border

Description automatically generated

1. Connect mysql Docker with MySQL Workbench
   1. IP address of your MySQL container

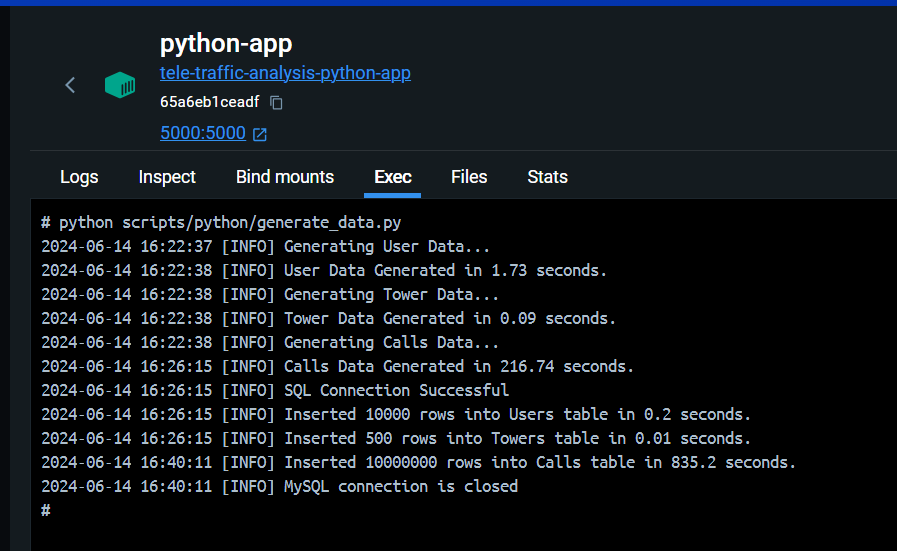
docker inspect -f '{{range.NetworkSettings.Networks}}{{.IPAddress}}{{end}}' <container\_name\_or\_id>

* 1. Using the IP address & password create a new connection in Workbench



1. Generate synthetic data and insert to the SQL tables using Python file
   1. Go to the Python container Exec and run the Python script

python script/generate\_data.py



A screenshot of a computer

Description automatically generated