1. Pre requirement

Download mysql-connector-j-8.0.33.jar and place it in docker/mysql-connector.

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

MYSQL\_ROOT\_PASSWORD = '

MYSQL\_PASSWORD = ''

MYSQL\_DATABASE = '

MYSQL\_USER = ''

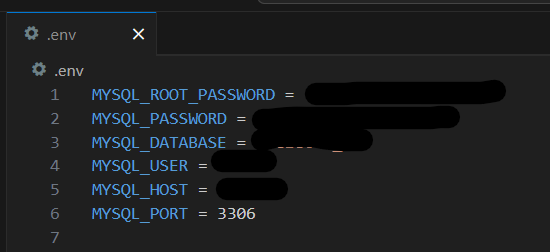
MYSQL\_HOST = ''

MYSQL\_PORT = 3306

HDFS\_NAMENODE\_USER =

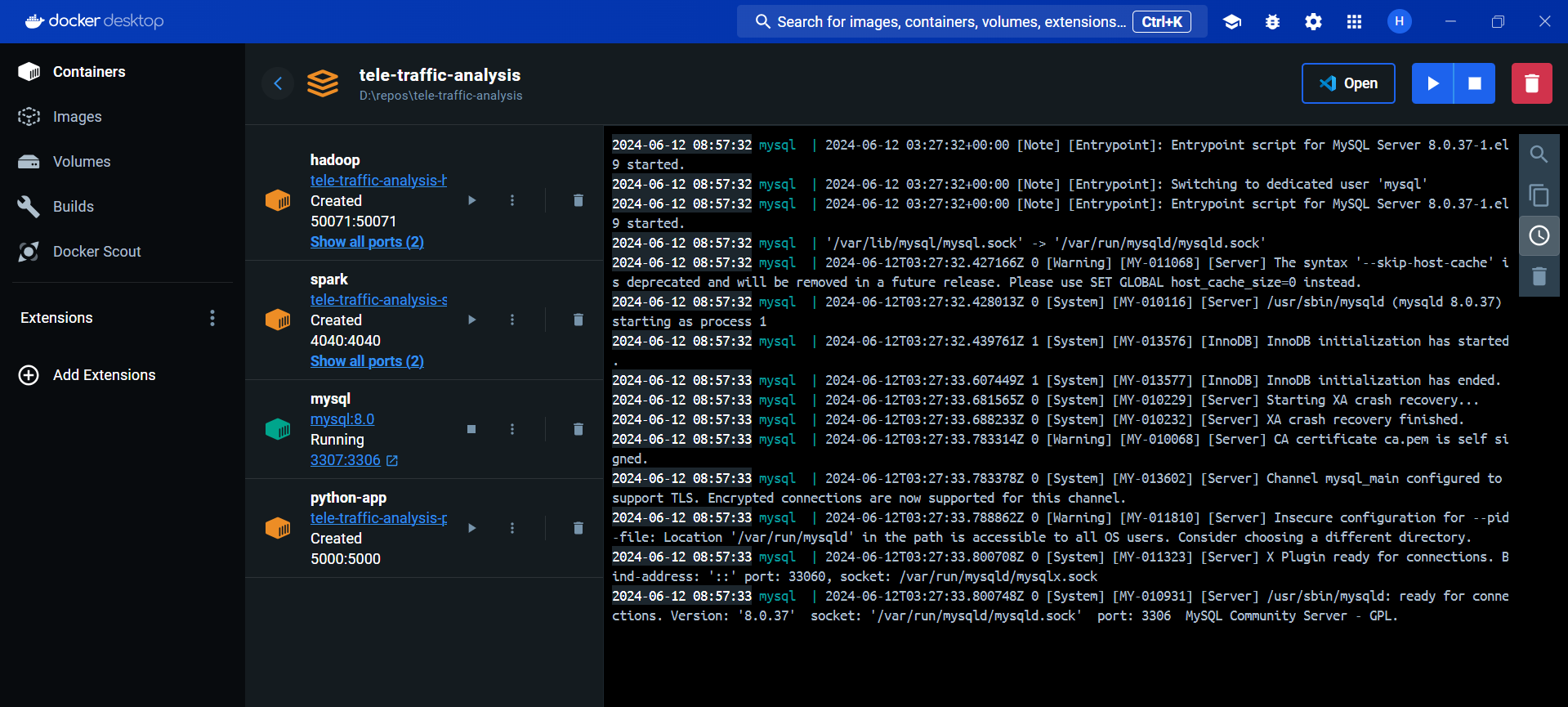
HDFS\_DATANODE\_USER =

HDFS\_SECONDARYNAMENODE\_USER =



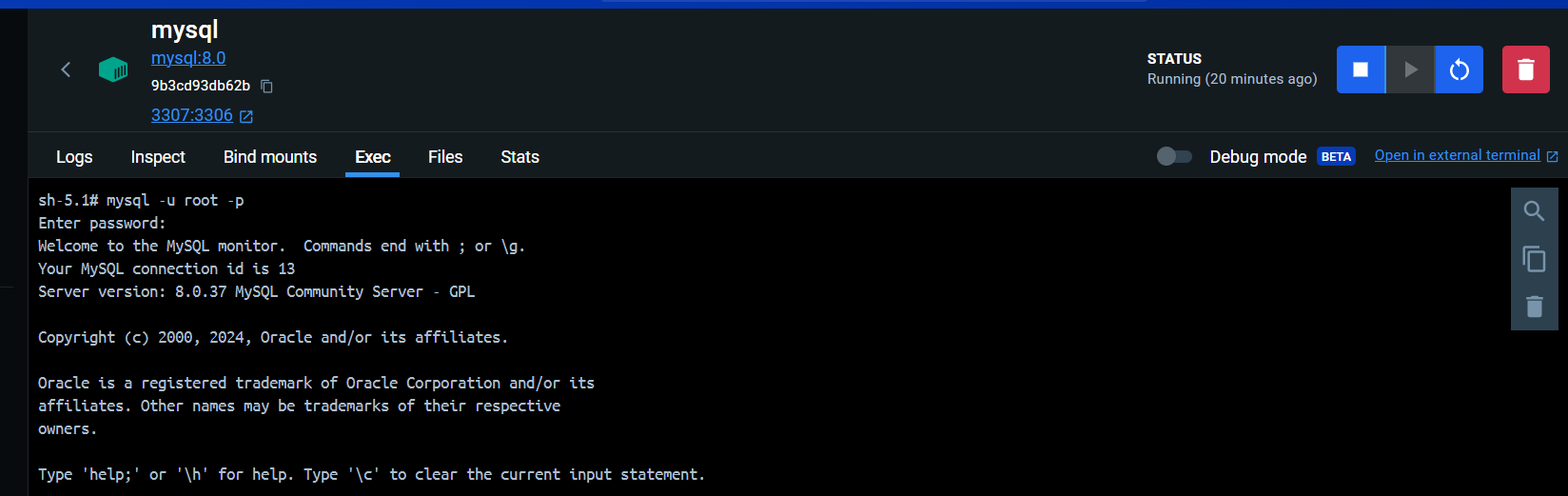
1. Run

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



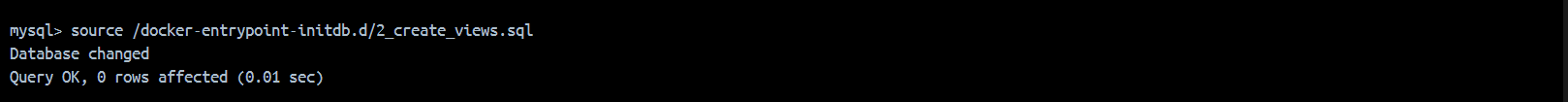
* 1. Run db scripts

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;

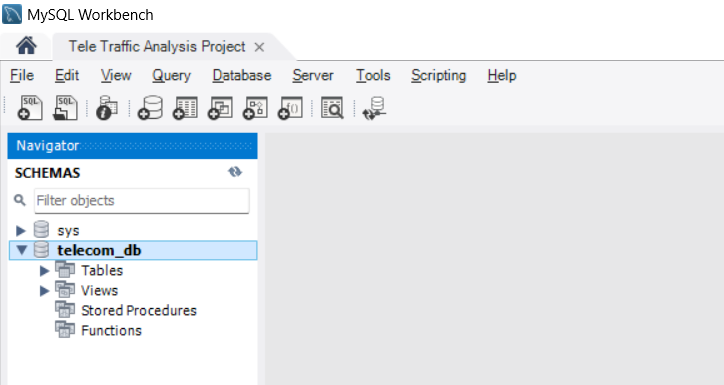
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1. Connect mysql Docker with MySQL Workbench
   1. IP address of your MySQL container

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

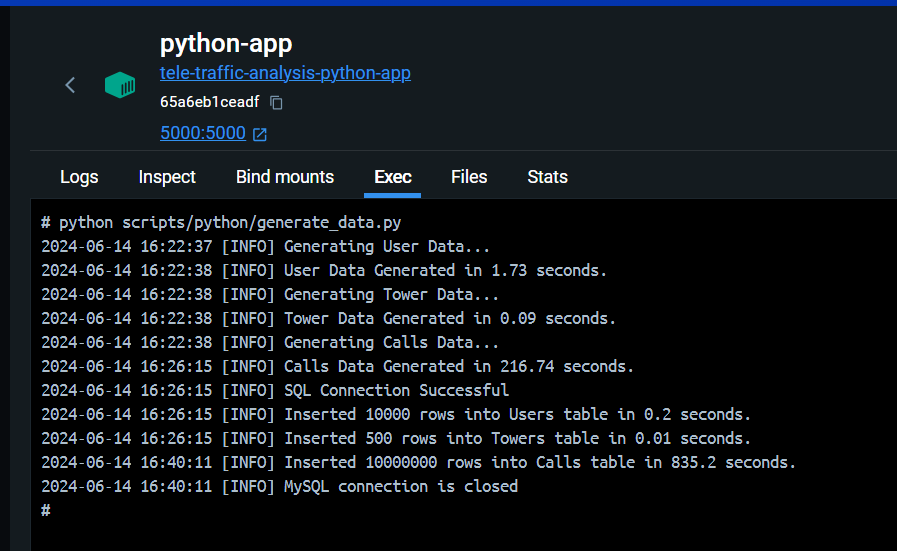
* 1. Using the IP address & password create a new connection in Workbench



1. Generate synthetic data and insert to the SQL tables using Python file

Go to the Python container Exec and run the Python script

python script/generate\_data.py



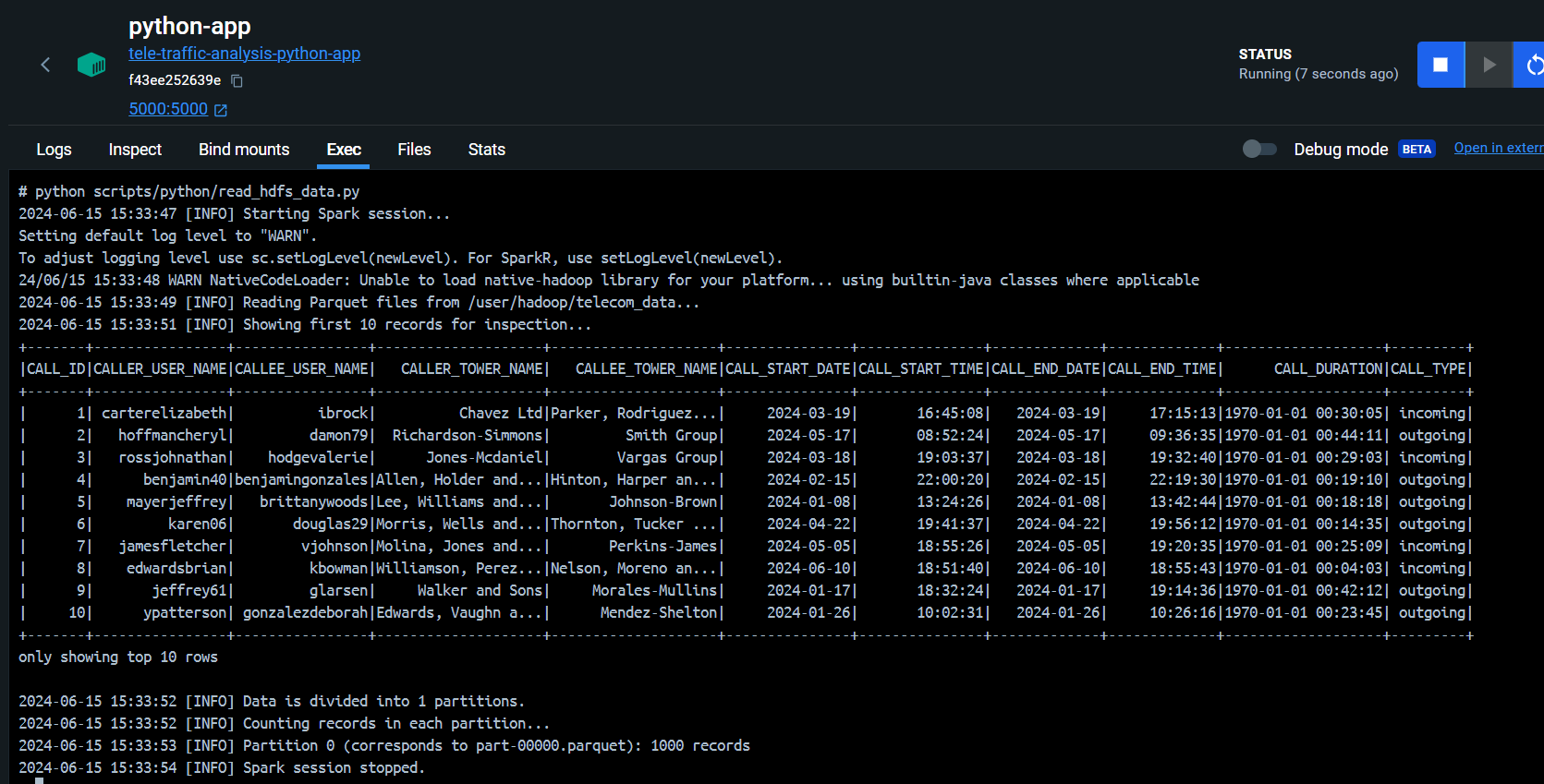
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1. Run preprocessing.py in Python container

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1. Run analysis.py

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