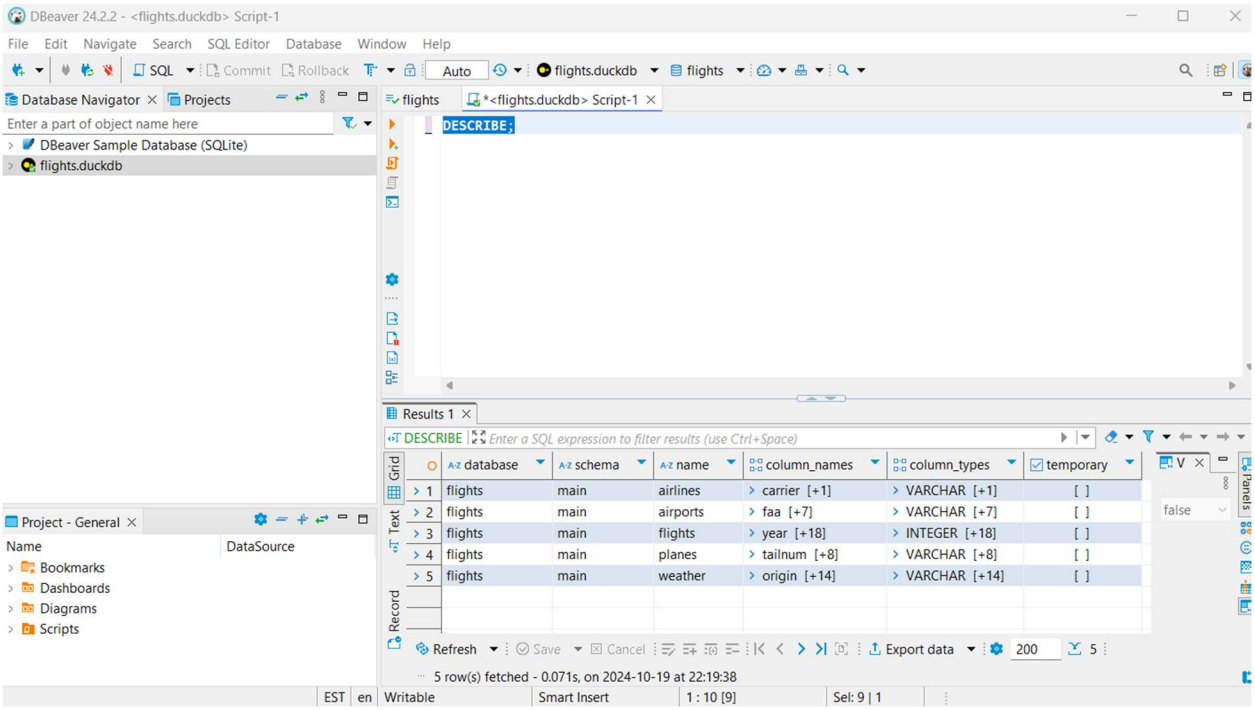
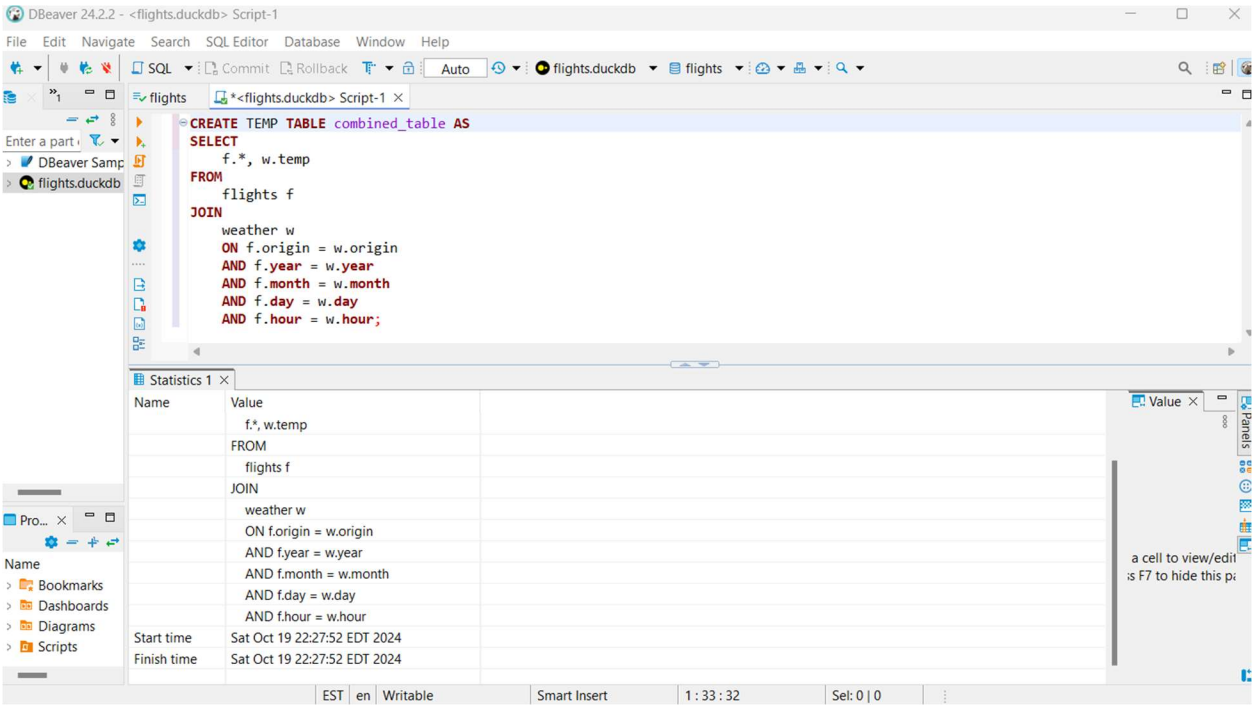
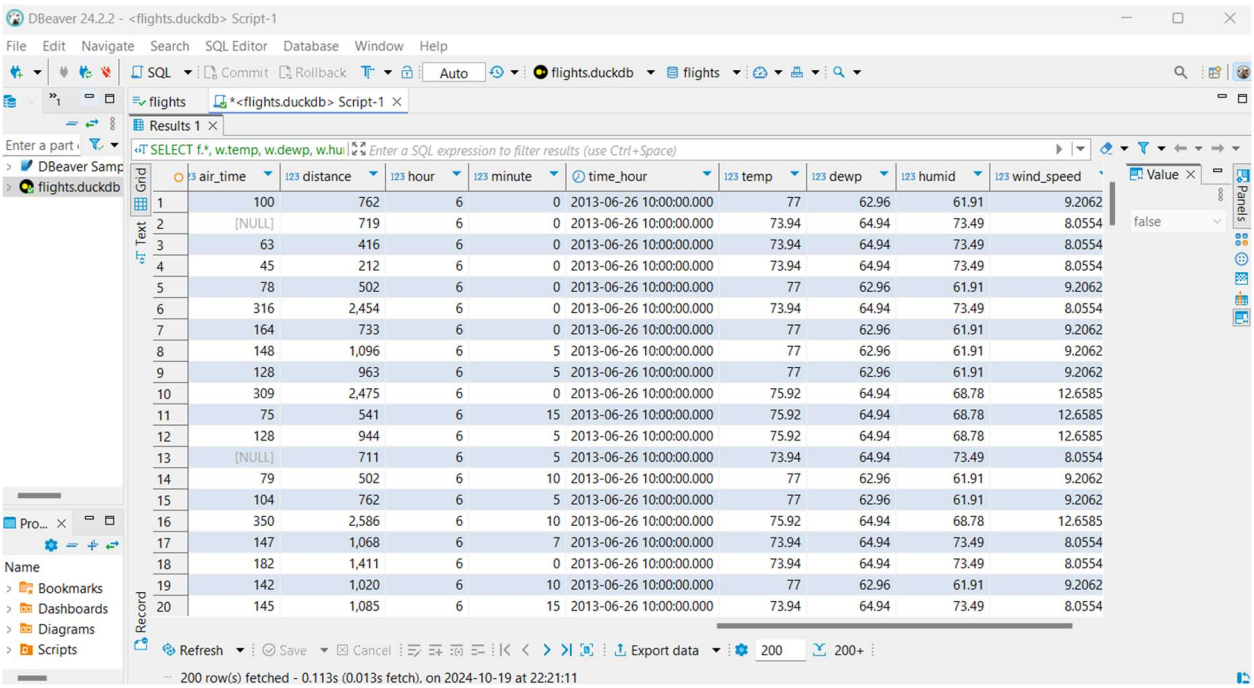
J. Kimbrough, and Khuong Nguyen
DATA-413 | Data Science
Due 10.20.24

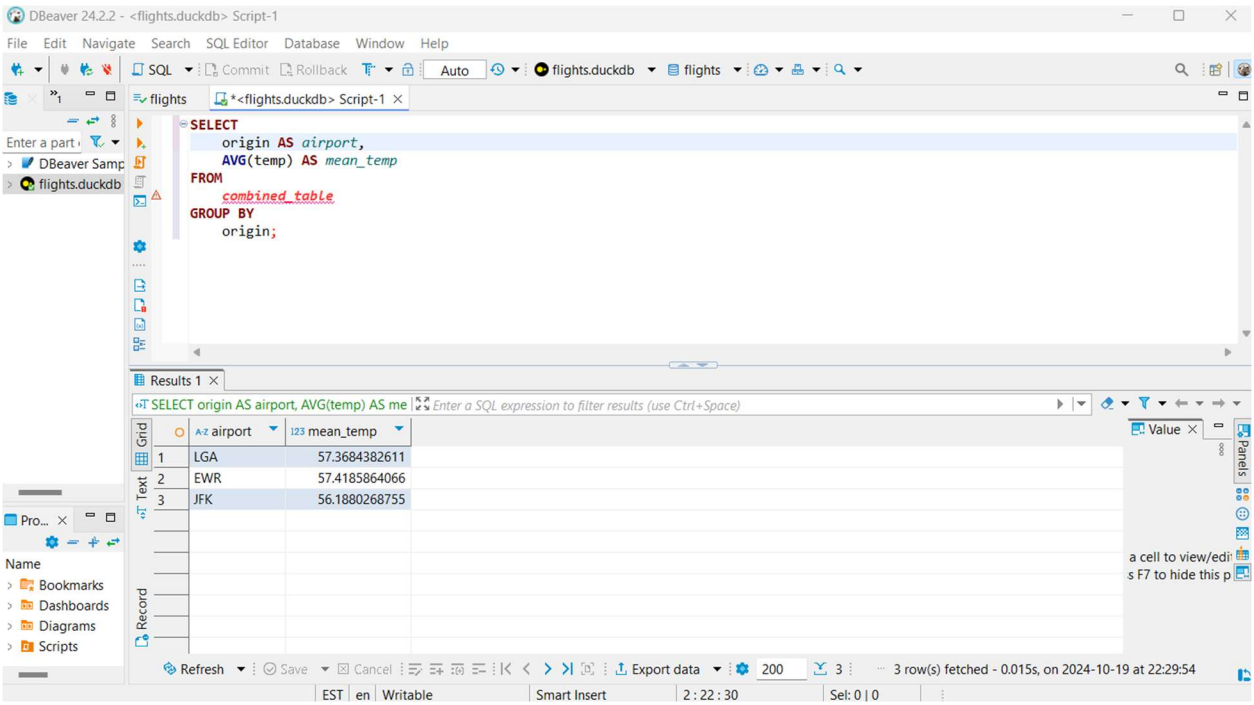
SQL – DBeaver Assignment

1. What is the mean temperature for flights from each airport?







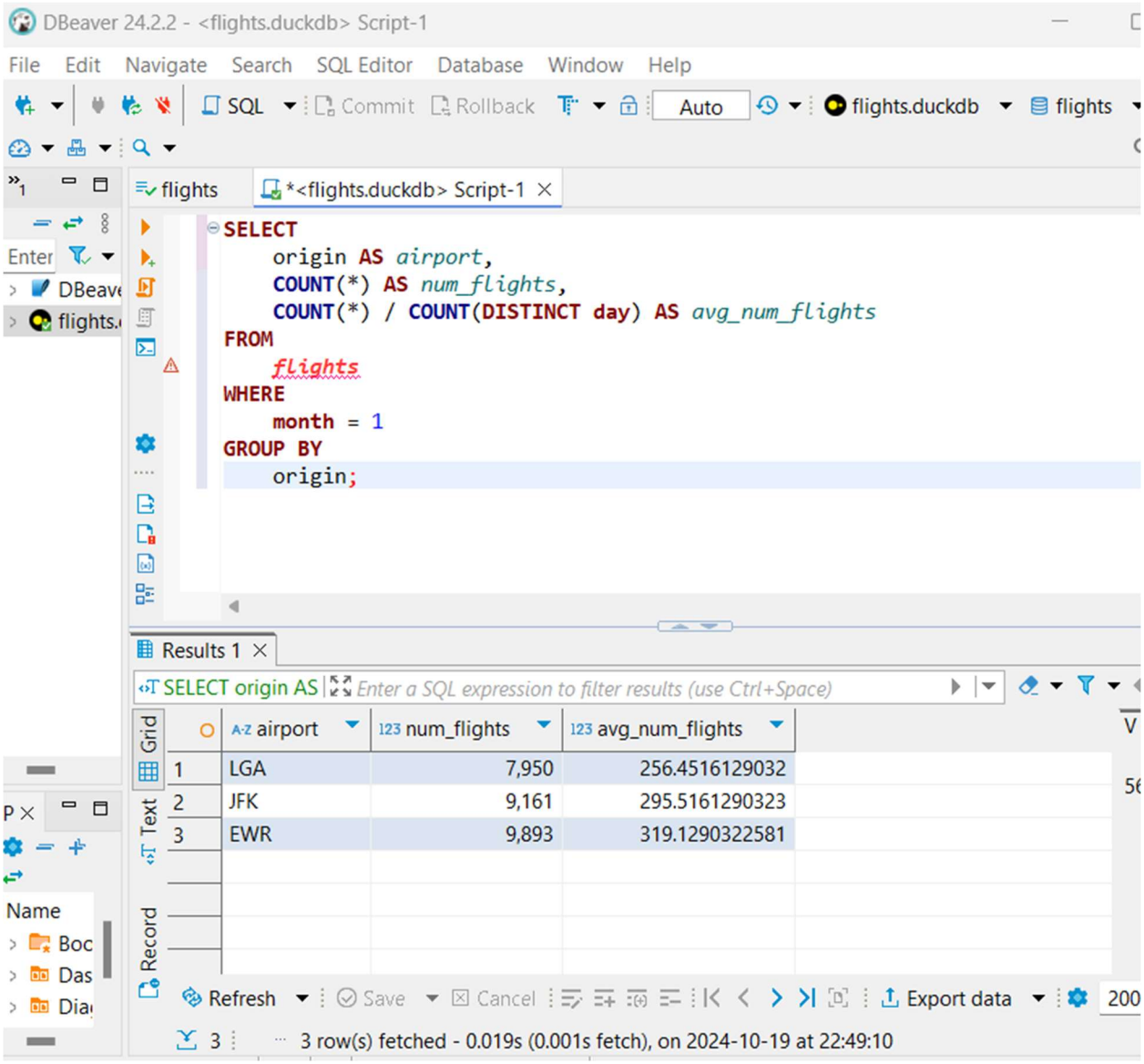


To analyze the mean temperatures for flights, we used the `DESCRIBE` command to view the different schemas in the database, which helped me identify the available columns in each table. Then we joined the `weather` table with the `flights` table based on matching attributes like origin, year, month, day, and hour, as a temporary table. This allowed us to query the mean temperatures for flights departing from the three major airports in the New York City area: LaGuardia Airport (LGA), Newark Liberty International Airport (EWR), and John F. Kennedy International Airport (JFK).

The mean temperatures are:

- LaGuardia Airport (LGA): 57.37°F
- Newark Liberty International Airport (EWR): 57.42°F
- John F. Kennedy International Airport (JFK): 56.19°F

2. **What is the average number of flights from each airport per day in January?**

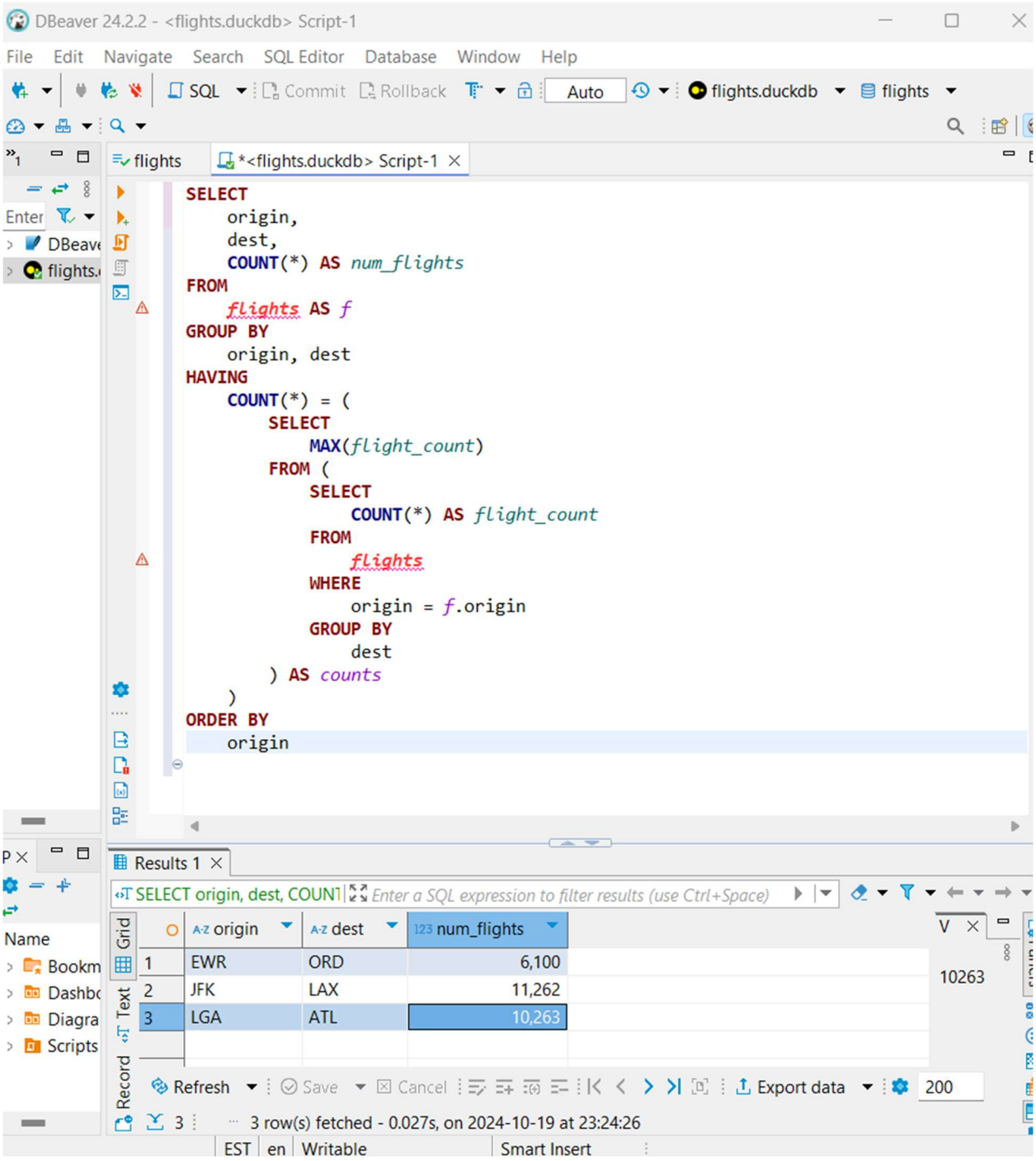


The average number of flights from each airport in January is as follows:

- LaGuardia Airport (LGA): 7,950 total flights, averaging 256.45 flights per day.
- John F. Kennedy International Airport (JFK): 9,161 total flights, averaging 295.52 flights per day.
- Newark Liberty International Airport (EWR): 9,893 total flights, averaging 319.13 flights per day.

This indicates that EWR had the highest average number of flights per day, while LGA had the lowest.

3. **What are the top destinations for each airport?**



- EWR (Newark) has its top destination as ORD (Chicago O'Hare) with 6,100 flights.
- JFK (John F. Kennedy) has LAX (Los Angeles) as its busiest route with 11,262 flights.
- LGA (LaGuardia) has ATL (Atlanta) as its top destination, with 10,263 flights.

GitHub Link: https://github.com/jk7830a/HW_kimbrough.git

*Please be advised, all group work will be in folder called *Group.**