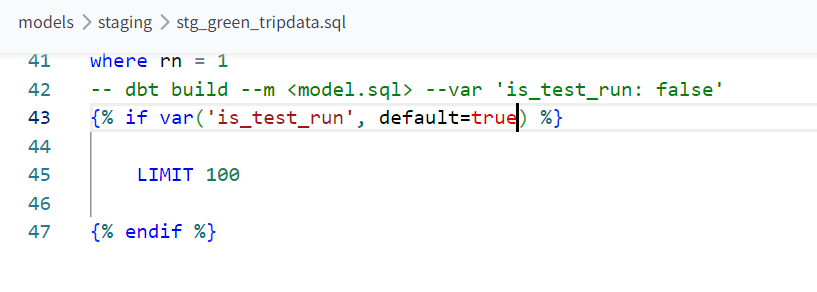
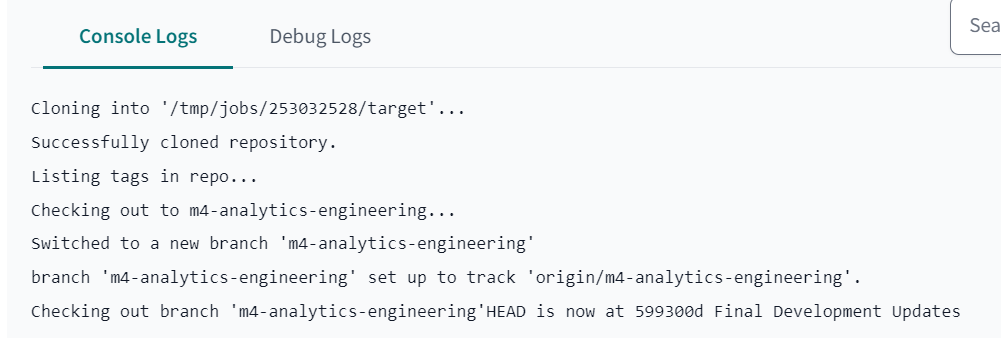
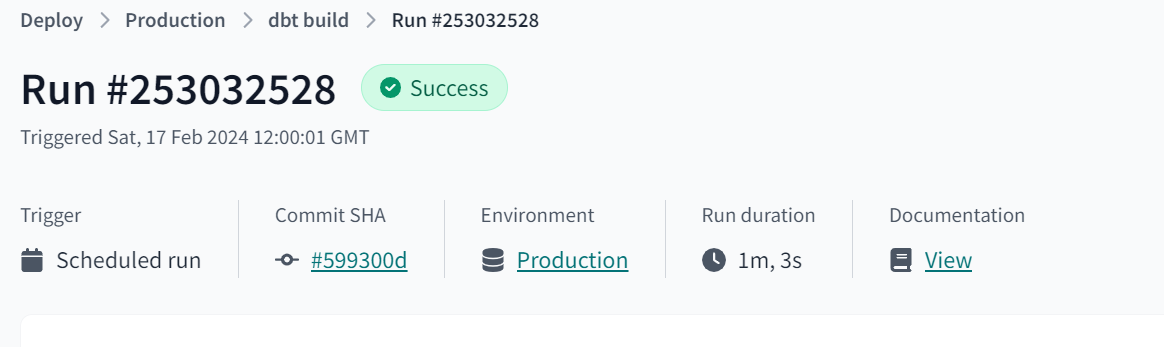
**Homework #4**

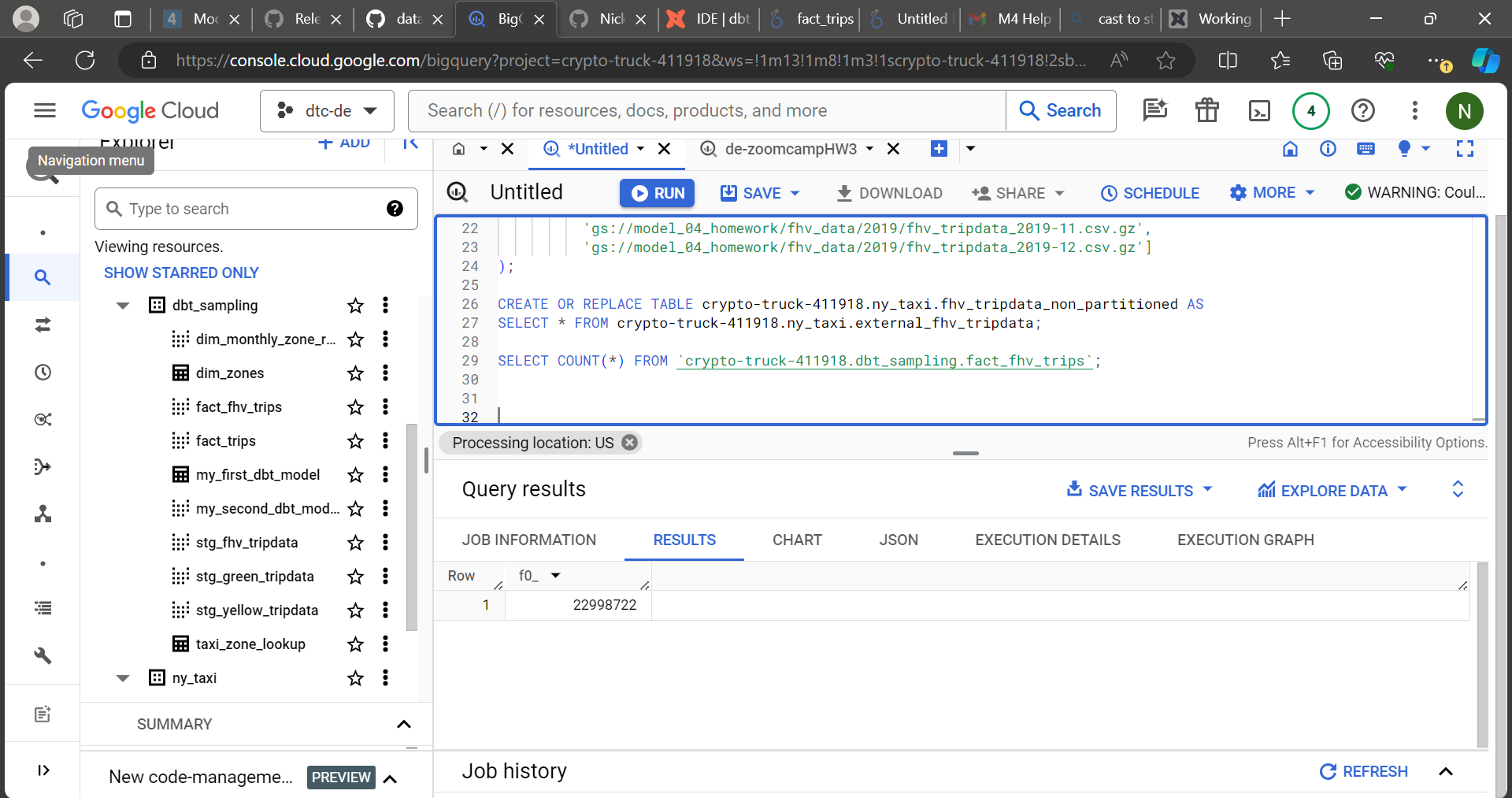
**Question #1**

* What happens when we execute *dbt build –vars ‘{‘is\_test\_run’:’true’}’*?
  + **Answer:** It applies a *limit* 100 to all of our models
  + 

**Question #2**

* What is the code that our CI job will run?
* Where is this code coming from?
  + **Answer:** The code that has been merged into the main branch.
  + 
  + 

**Question #3**

* What is the count of records in the model fact\_fhv\_trips after running all dependencies with the test run variable disabled (is\_test\_run:false)?
* Create a staging model for the fhv data, similar to the ones made for yellow and green data. Add an additional filter for keeping only records with pickup time in year 2019. Do not add a deduplication step. Run this model without limits (is\_test\_run: false).
* Create a core model similar to fact trips, but selecting from stg\_fhv\_tripdata and joining with dim\_zones. Similar to what we’ve done in fact\_trips, keep only records with known pickup and drop-off locations entries for pickup and drop-off locations. Run the dbt model without limits (is\_test\_run: false).
  + **Answer:** 22998722
  + 

**Question #4**

* What is the service that had the most rides during the month of July 2019 month with the biggest amount of rides after building a tile for the fact\_fhv\_trips table?
* Create a dashboard with some tiles that you find interesting to explore the data. One tile should show the amount of trips per month, as done in the videos for fact\_trips, including fact\_fhv\_trips data.
  + **Answer:** Yellow
  + 