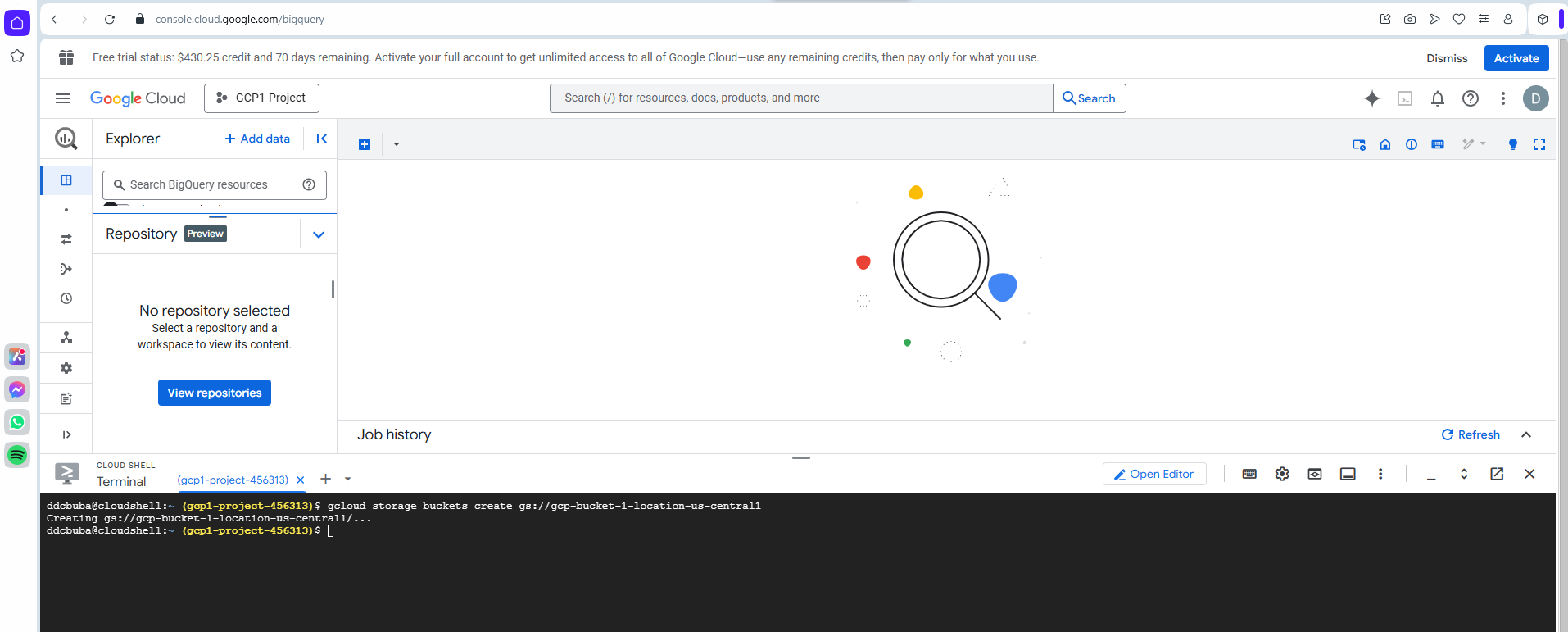
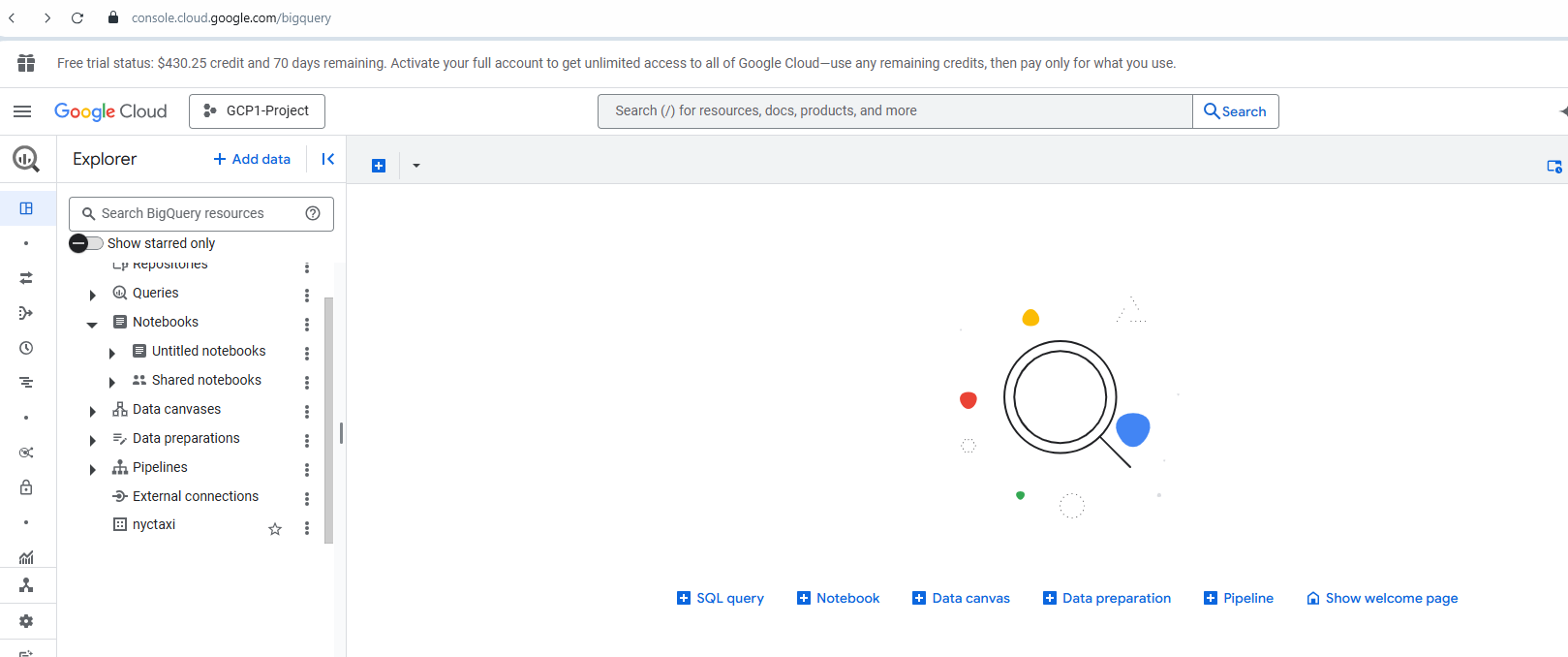
Dharma Devi-Home Work 3

1.Creating a Bucket

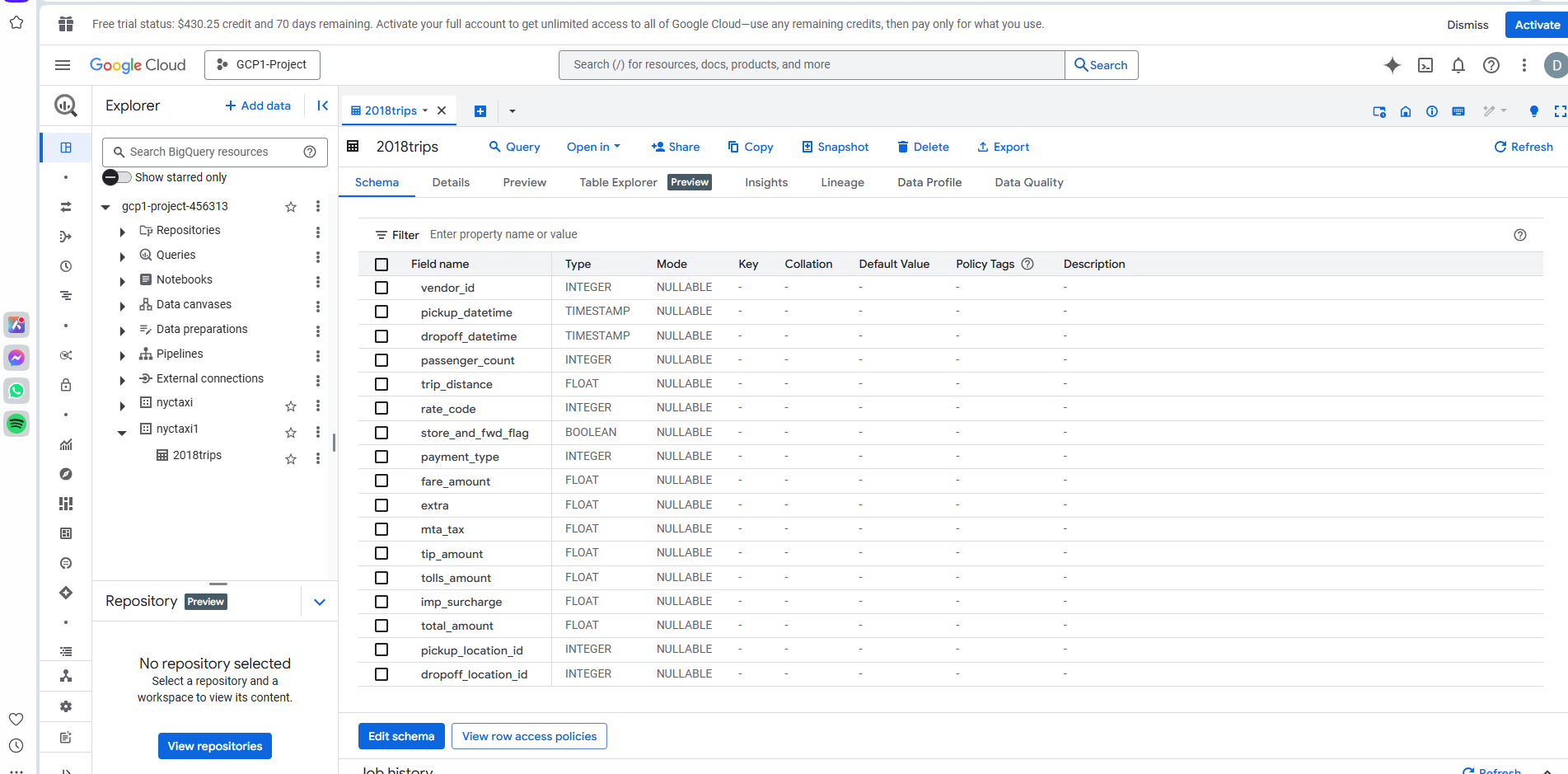


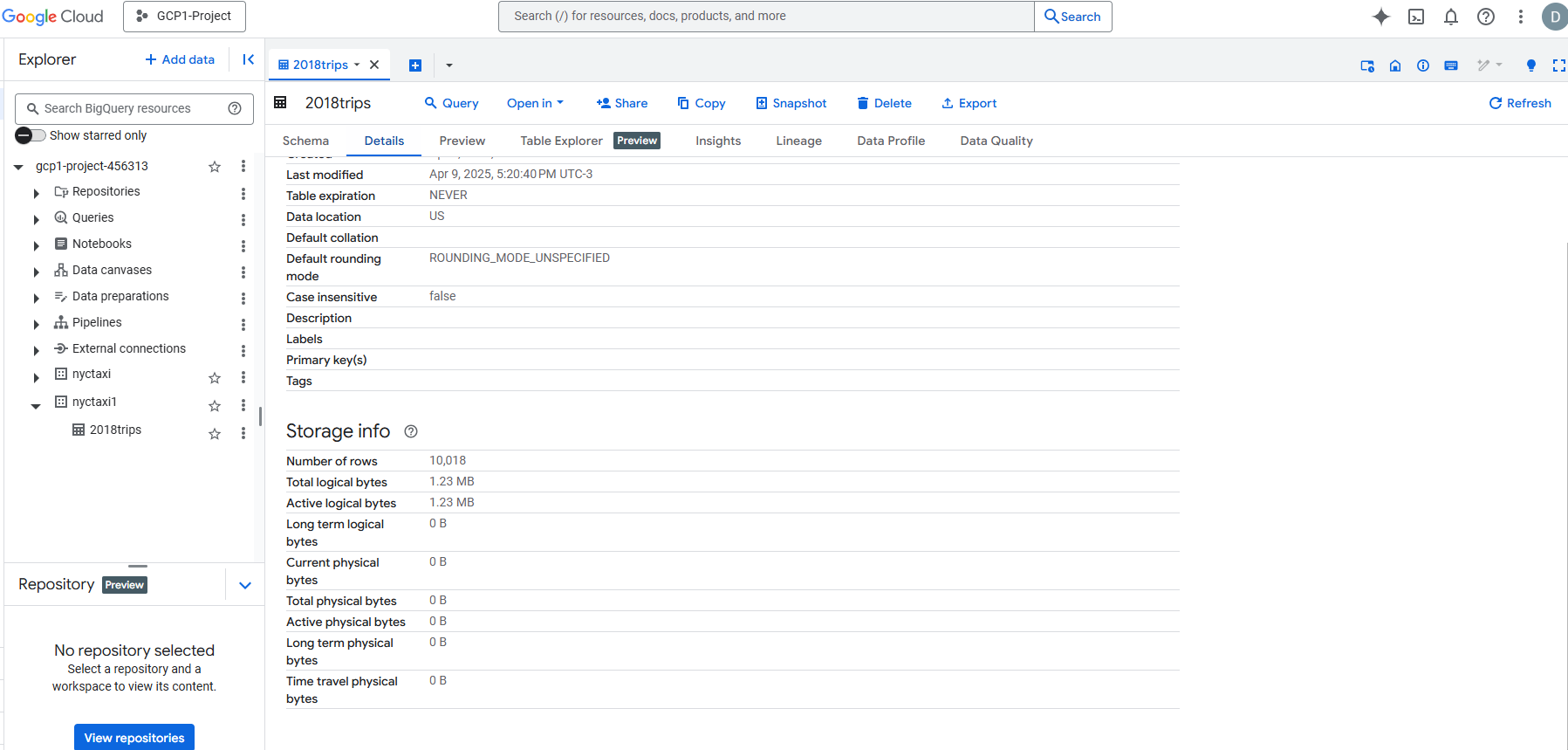
Task 1:Create a Dataset in BigQuery

Added Nyctaxi dataset

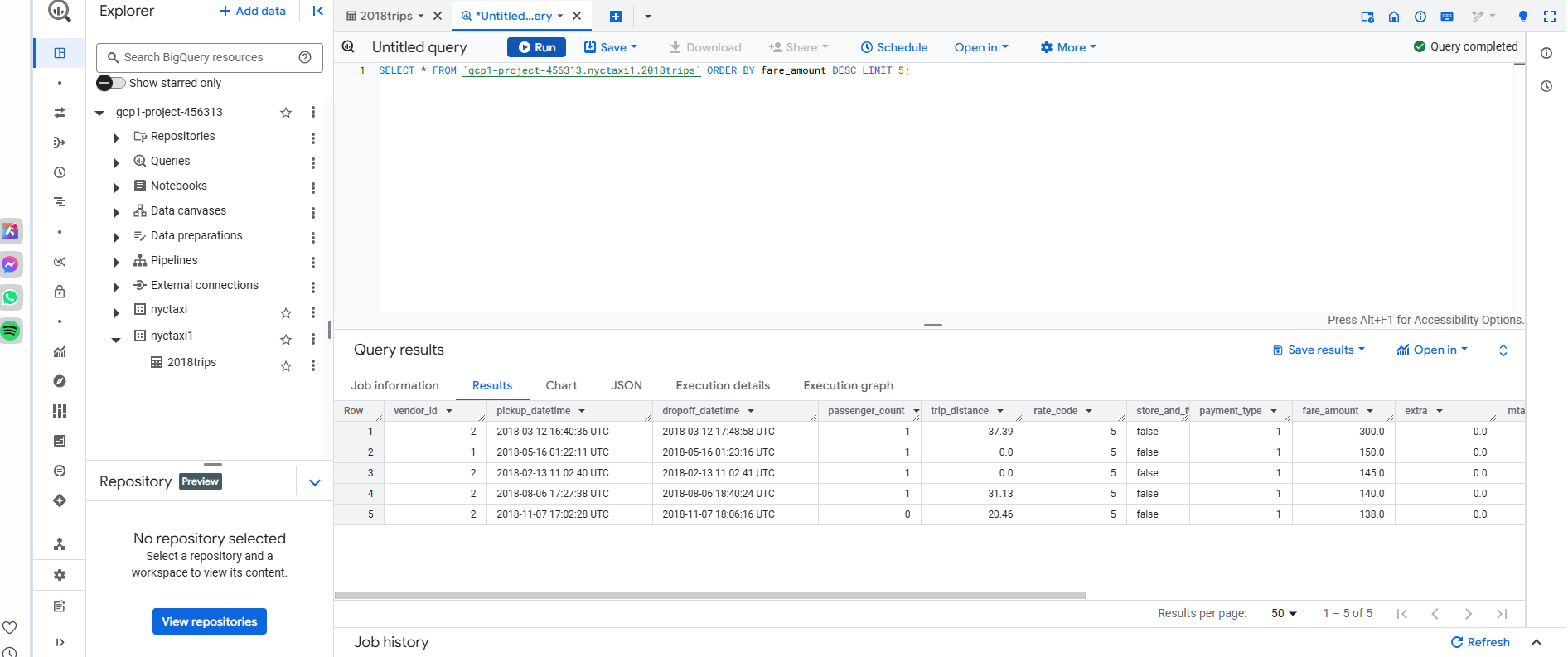


Task 2:Load a CSV File in BigQuery

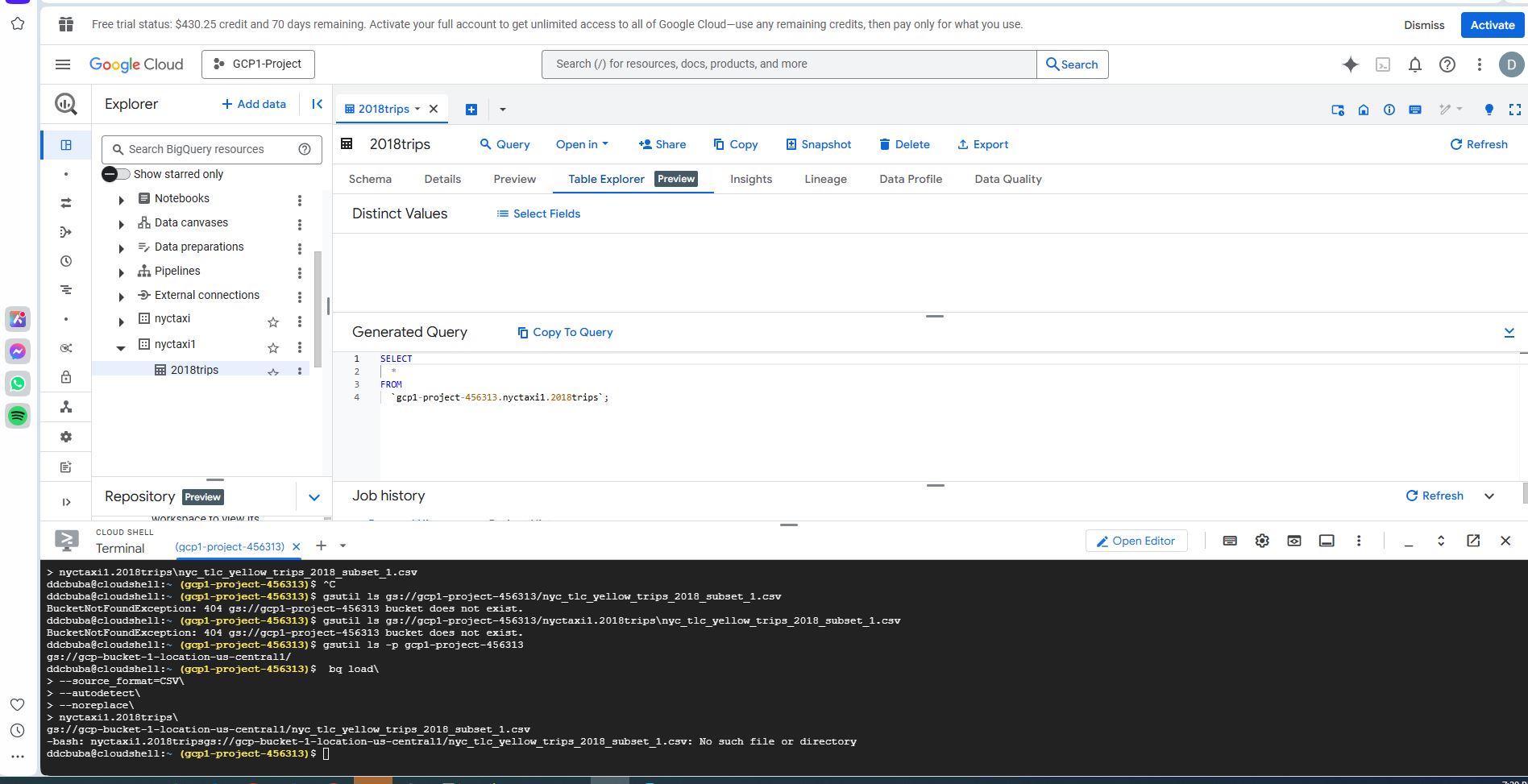




**Task 3:Query the BigQuery Table**

****

**TASK 4:LOAD MORE DATA from Google Cloud Storage(via CLI)**

****

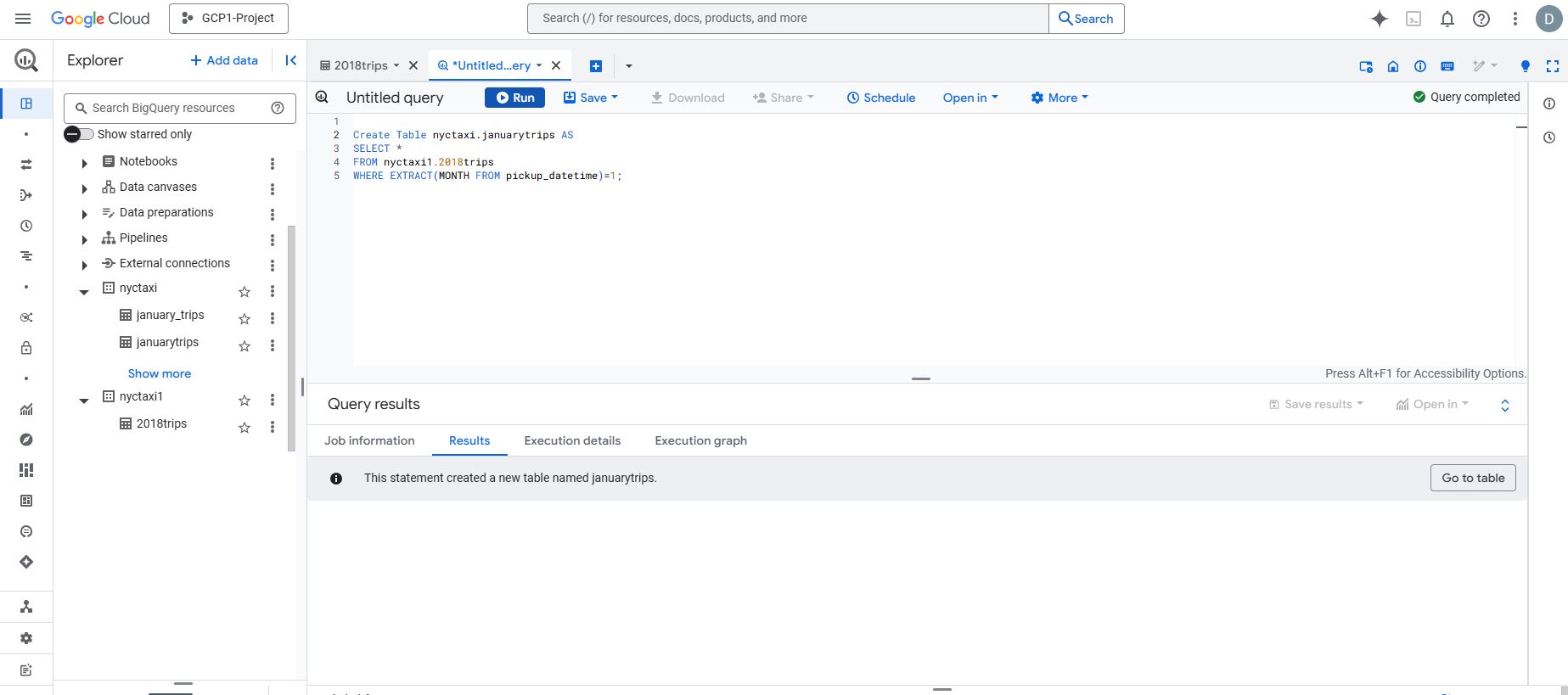
**Task 5:Use DDL to create a New Table from Existing Data**

**Create Table nyctaxi.january\_trips AS**

**SELECT \***

**FROM nyctaxi1.2018trips**

**WHERE EXTRACT(MONTH FROM pickup\_datetime)=1;**

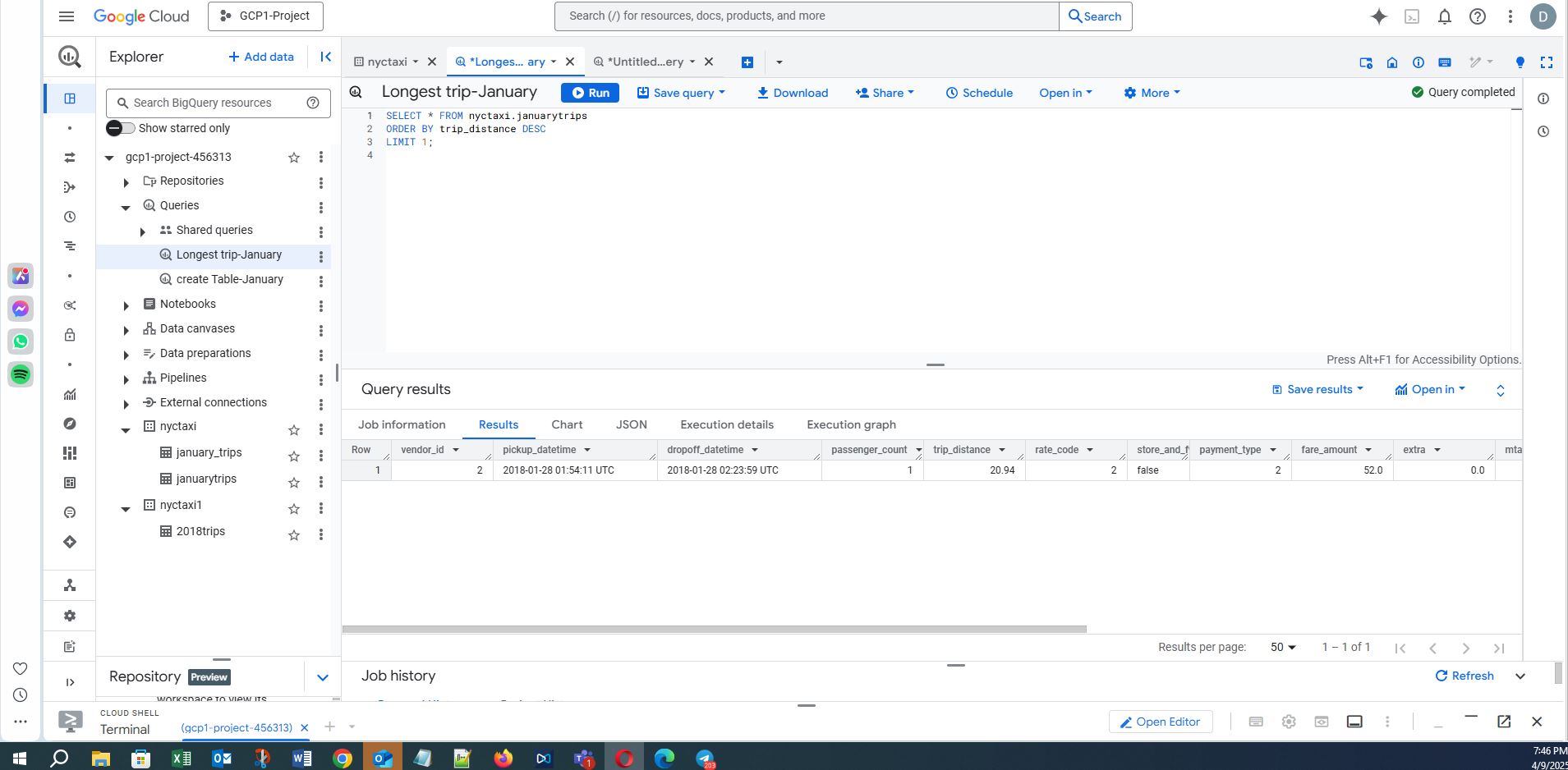
****

**2.Run a query to find the longest trip in January**

**SELECT \* FROM nyctaxi1.january\_trips**

**ORDER BY trip\_distance DESC**

**LIMIT 1;**

****

**Task 6:DATA ANALYST**

**1.Trip Count by Vendor**

**Write a query to find the total number of trips taken by each vendor\_id**

**SELECT**

**vendor\_id,**

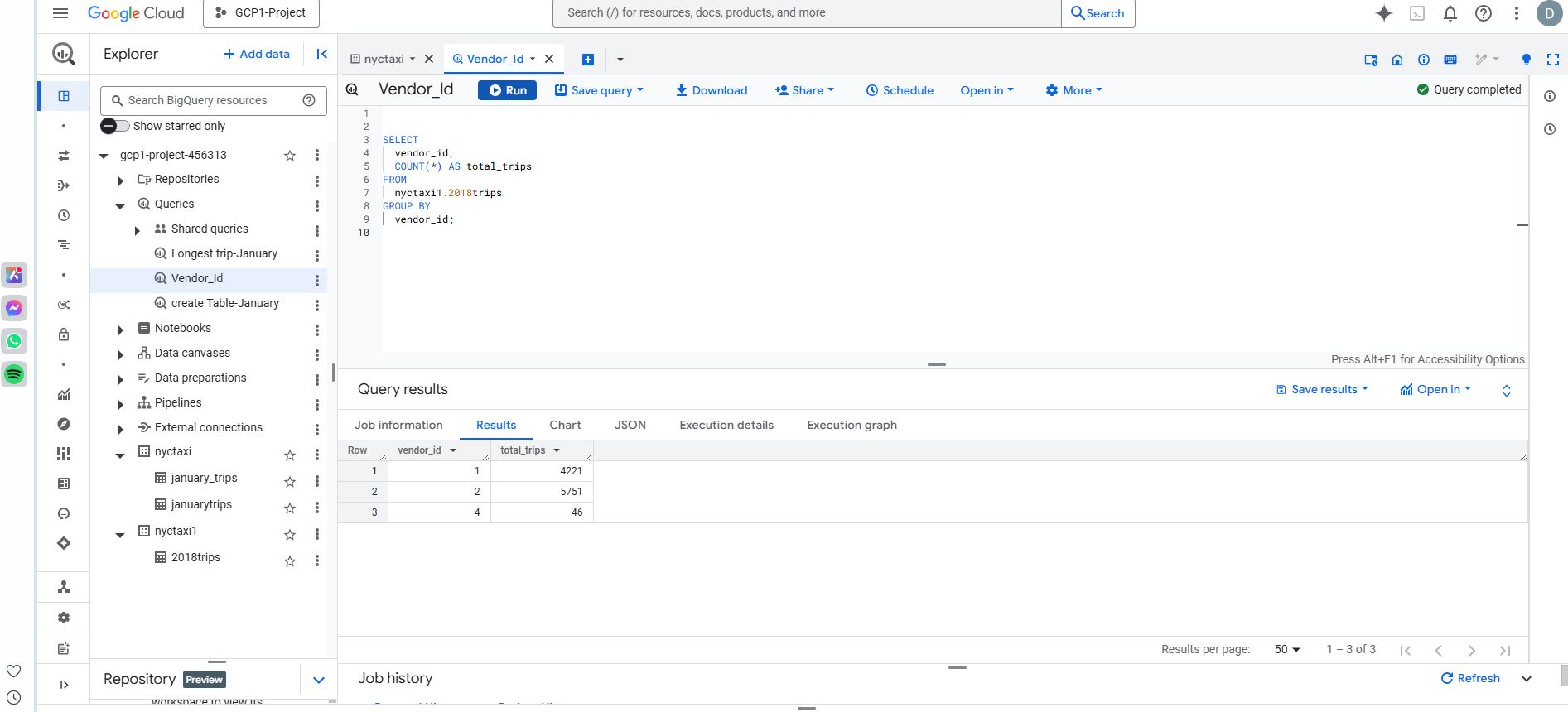
**COUNT(\*) AS total\_trips**

**FROM**

**nyctaxi1.2018trips**

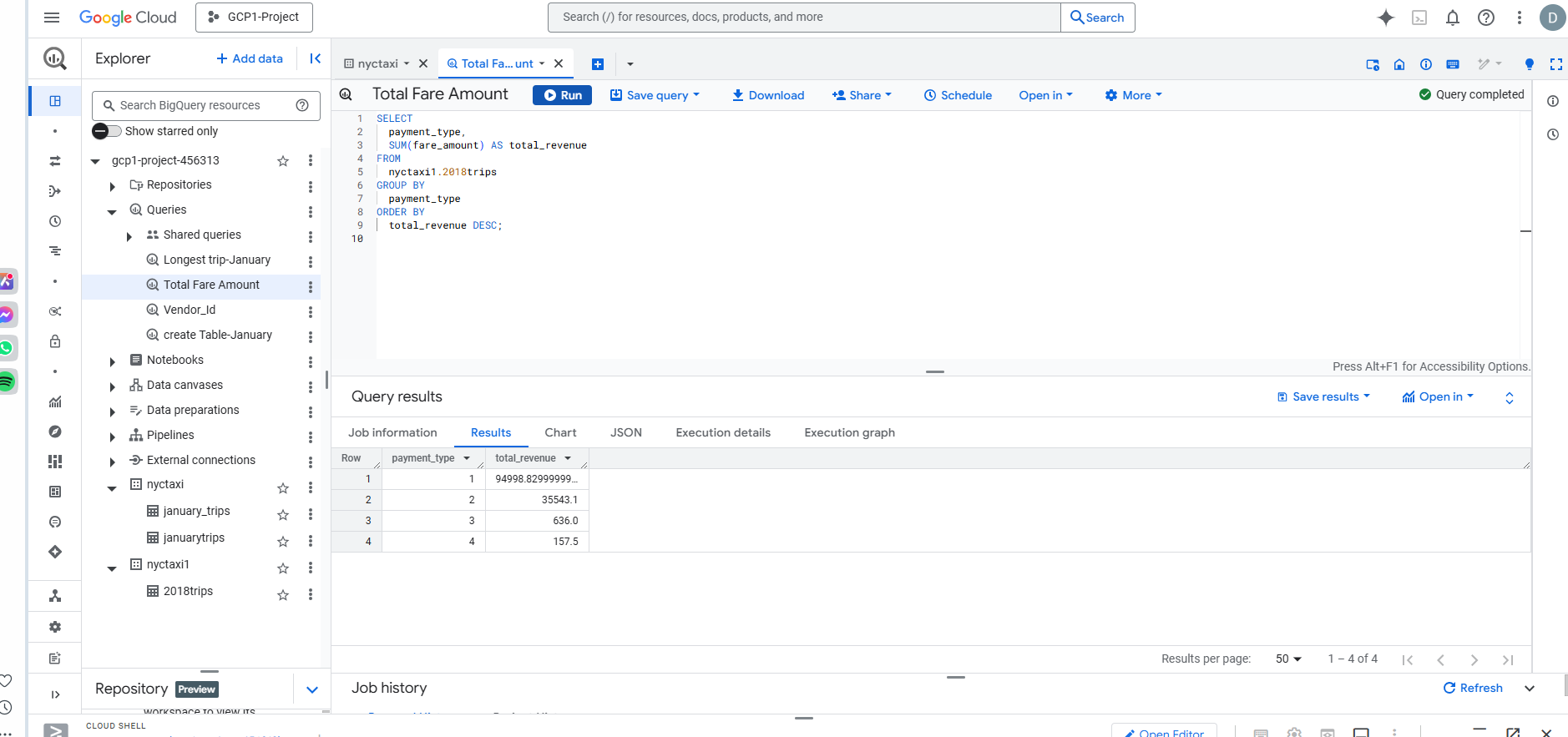
**GROUP BY**

**vendor\_id;**

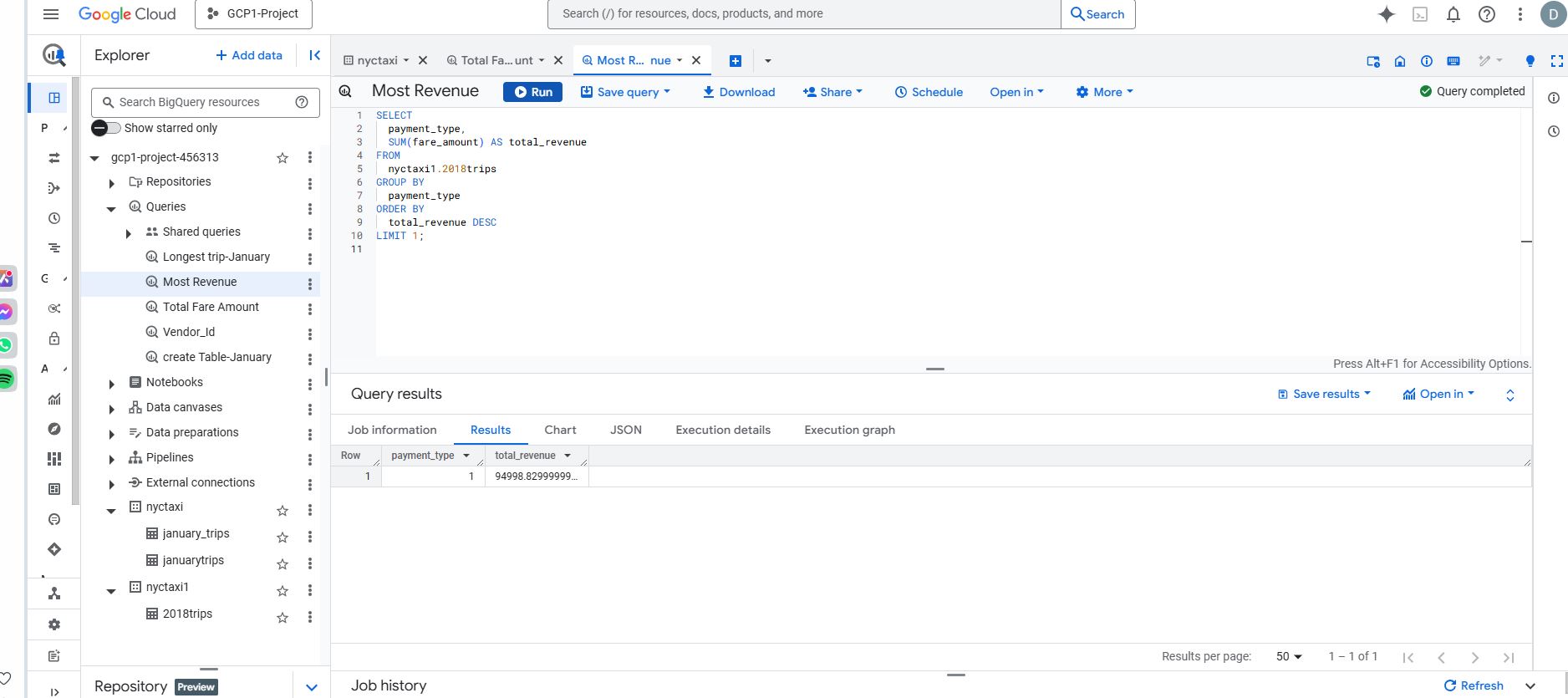
****

**2.Highest Earning Payment Type**

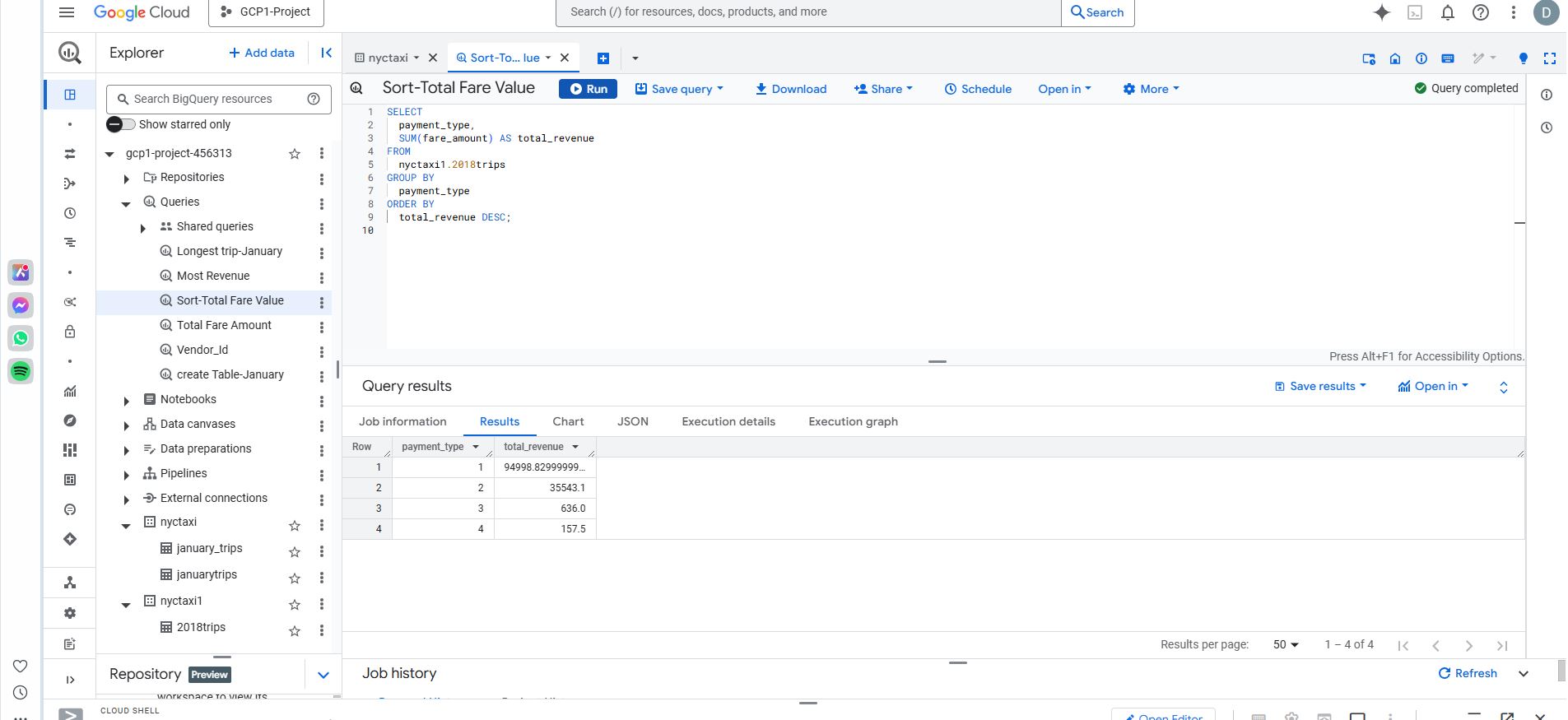
**Calculate the total fare amount collected for each payment\_type**

****

**1.which payment type generated most revenue**

****

**2.sort the results by total fare amount**

****

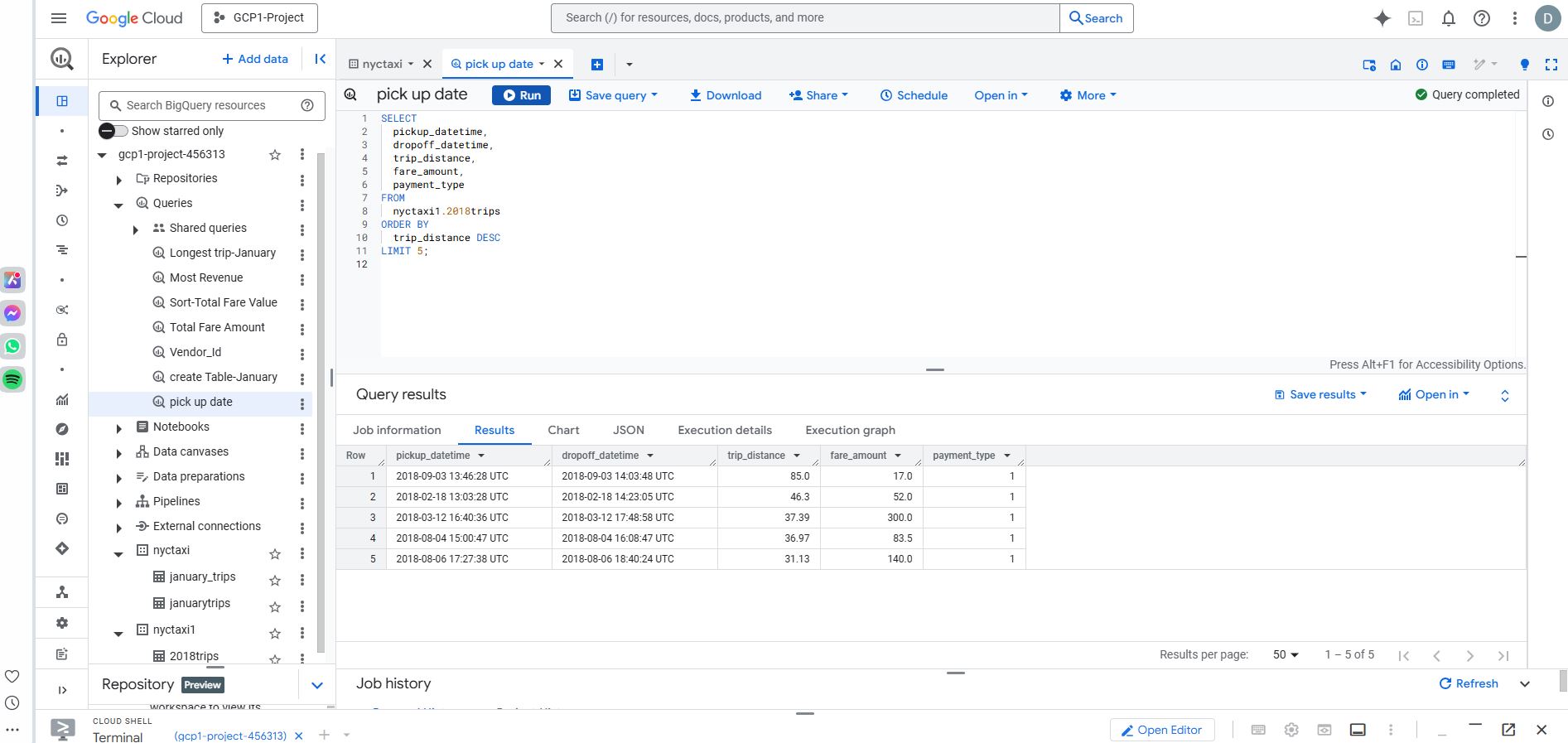
**3.3. Top 5 Longest Trips**

**List the top 5 trips with the longest trip\_distance.**

**●**

**Include pickup\_datetime, dropoff\_datetime, trip\_distance,**

**fare\_amount, and payment\_type.**

****

**4. Monthly Trip Trend**

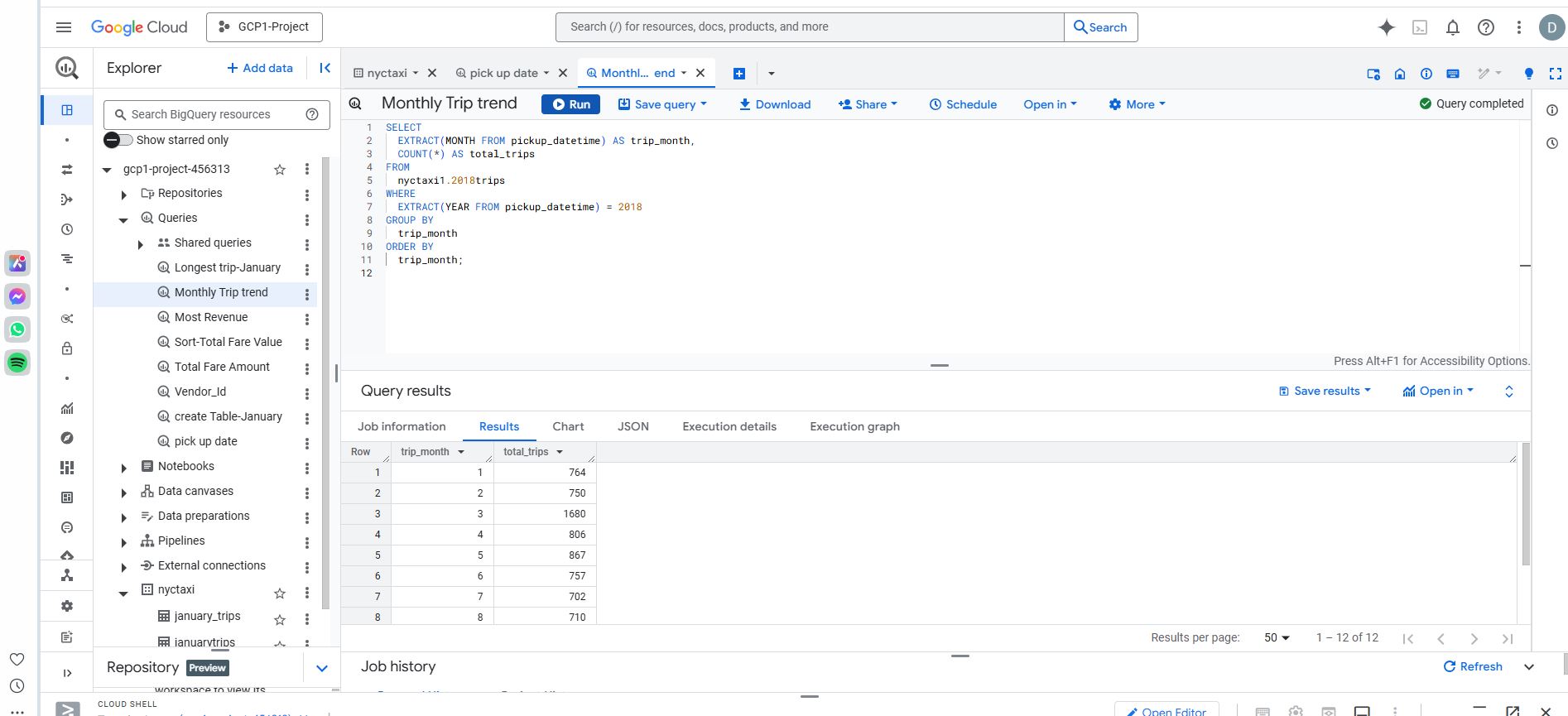
**Find the total number of trips per month for the year 2018.**

**●**

**Extract the month from pickup\_datetime and group by it.**

**●**

**Sort the results by month.**

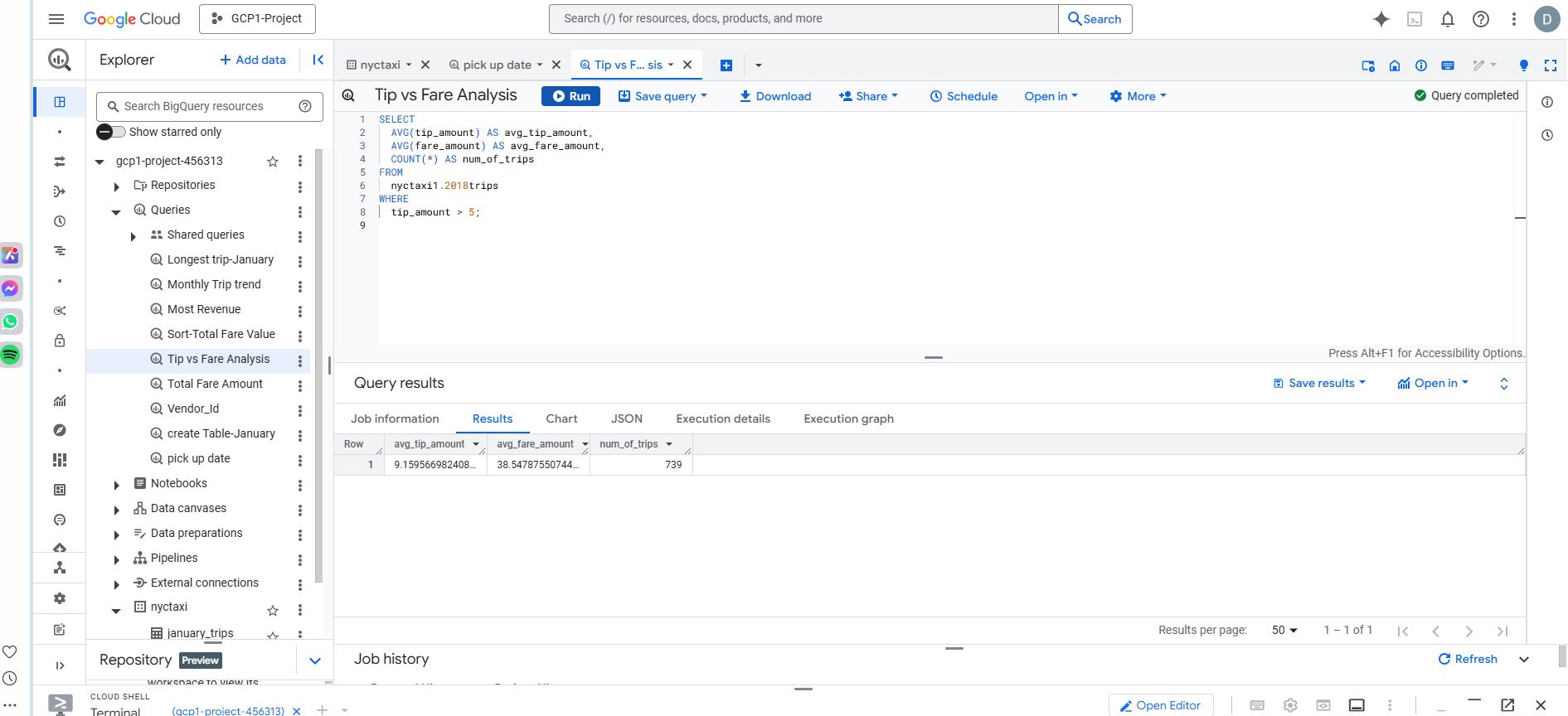
****

**5. Tip vs. Fare Analysis**

**Find the average tip amount and fare amount for trips where the tip was greater than $5.**

**●**

**Include the average tip\_amount, average fare\_amount, and the number**

****