**Project Instructions:**

Write three SQL queries to answer the following questions:

1. What are the most popular transport types, measured by the total number of journeys? The output should contain two columns, 1) JOURNEY\_TYPE and 2) TOTAL\_JOURNEYS\_MILLIONS, and be sorted by the second column in descending order. Save the query as most\_popular\_transport\_types.
2. Which five months and years were the most popular for the Emirates Airline? Return an output containing MONTH, YEAR, and JOURNEYS\_MILLIONS, with the latter rounded to two decimal places and aliased as ROUNDED\_JOURNEYS\_MILLIONS. Exclude null values and save the result as emirates\_airline\_popularity.
3. Find the five years with the lowest volume of Underground & DLR journeys, saving as least\_popular\_years\_tube. The results should contain the columns YEAR, JOURNEY\_TYPE, and TOTAL\_JOURNEYS\_MILLIONS.

Three SQL cells have been created for you in the workbook. To access the Snowflake database, you will need to select data using the syntax FROM TFL.JOURNEYS (ensure you use upper-case).

**Note**: Please also ensure that you do not change the names of the DataFrames that the three query results will be saved as - creating new cells in the workbook will rename the DataFrame (see image below). Make sure that your final solutions use the names provided: most\_popular\_transport\_types, emirates\_airline\_popularity, and least\_popular\_years\_tube.

**1 >>>>**

SELECT JOURNEY\_TYPE, SUM(JOURNEYS\_MILLIONS) as TOTAL\_JOURNEYS\_MILLIONS

FROM TFL.JOURNEYS

GROUP BY JOURNEY\_TYPE

ORDER BY TOTAL\_JOURNEYS\_MILLIONS DESC;

A screenshot of a computer

AI-generated content may be incorrect.

**2 >>>>**

SELECT MONTH, YEAR, ROUND(JOURNEYS\_MILLIONS,2) as ROUNDED\_JOURNEYS\_MILLIONS

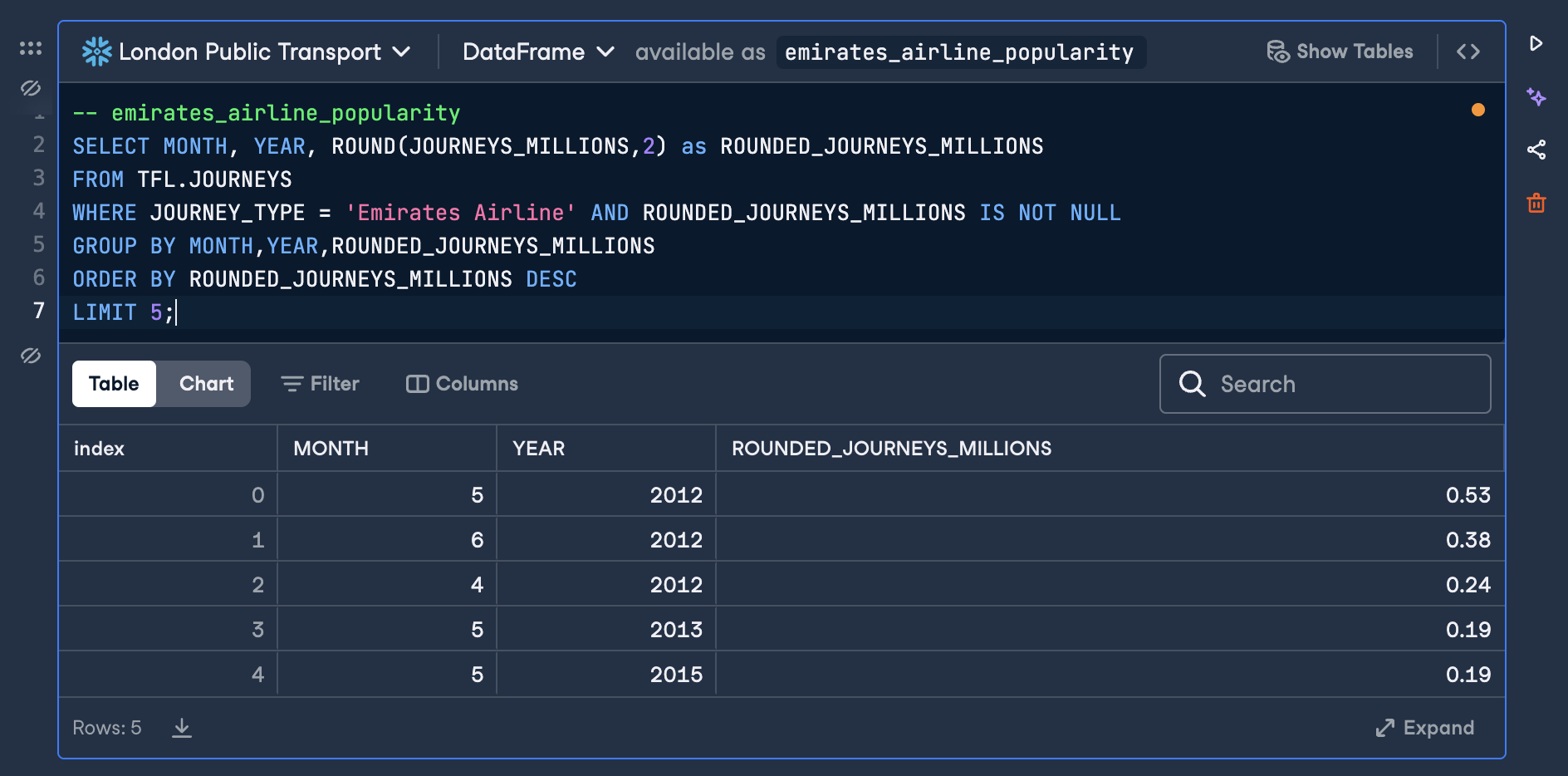
FROM TFL.JOURNEYS

WHERE JOURNEY\_TYPE = 'Emirates Airline' AND ROUNDED\_JOURNEYS\_MILLIONS IS NOT NULL

GROUP BY MONTH,YEAR,ROUNDED\_JOURNEYS\_MILLIONS

ORDER BY ROUNDED\_JOURNEYS\_MILLIONS DESC

LIMIT 5;



**3 >>>>**

SELECT YEAR, JOURNEY\_TYPE, SUM(JOURNEYS\_MILLIONS) as TOTAL\_JOURNEYS\_MILLIONS

FROM TFL.JOURNEYS

WHERE JOURNEY\_TYPE = 'Underground & DLR'

GROUP BY YEAR, JOURNEY\_TYPE

ORDER BY TOTAL\_JOURNEYS\_MILLIONS

LIMIT 5;

