**SQL ANALYSIS**

1. **I ensured the entire data set was loaded into pg admin4 and checked the row**

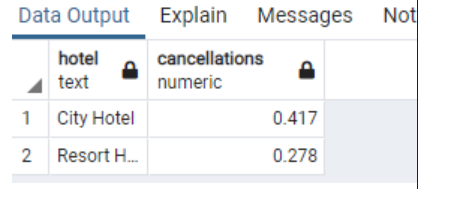
**SElECT** **COUNT**(**\***) **AS** Complete NO\_OF\_RECORDS

**FROM** hotel\_bookings

Complete NO\_OF\_RECORDS: 119390

**2.What is the cancellation rate for each hotel type**

SELECT hotel,   
     ROUND(AVG(is\_canceled), 3) AS CANCELLATIONS  
FROM hotel\_bookings  
GROUP BY hotel;



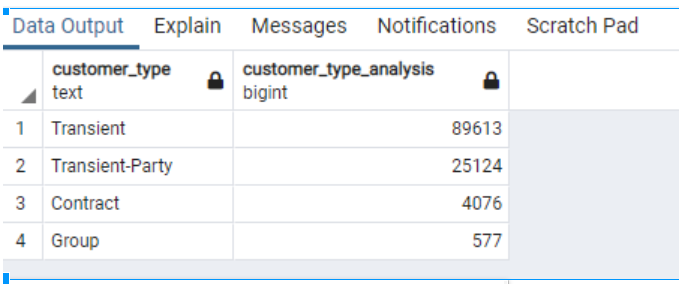
**3.Most common customertype**

**SELECT** customer\_type, **COUNT**(**\***)

**FROM** hotel\_bookings

**GROUP** **BY** customer\_type

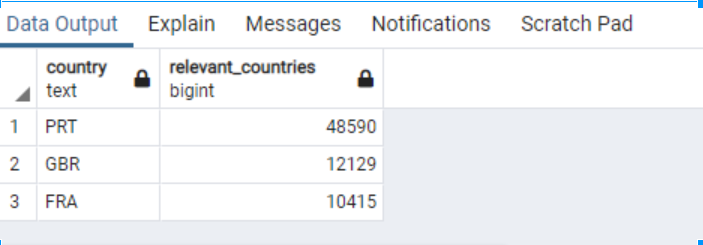
**ORDER** **BY** **COUNT**(**\***) **DESC**



**4. Most common country of guests?**

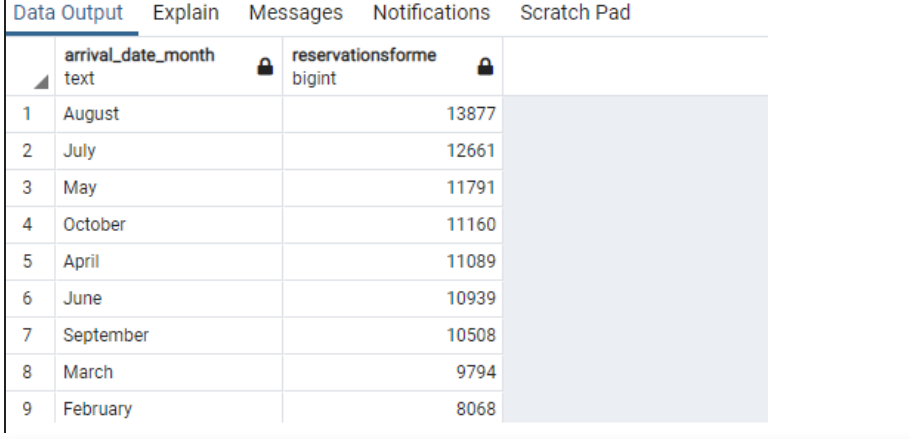
In [12]:

SELECT country, COUNT(\*) as relevant\_countries  
FROM hotel\_bookings  
GROUP BY country  
ORDER BY COUNT(\*) DESC  
LIMIT 3



**The most engaging month**

SELECT arrival\_date\_month, COUNT(\*) AS reservationsforme  
FROM hotel\_bookings   
GROUP BY arrival\_date\_month  
ORDER BY reservationsforme DESC



**5. Are the guests that reserve new or repeated**

In [15]:

**SELECT** is\_repeated\_guest, **COUNT**(**\***) **AS** guests\_count

**FROM** hotel\_bookings

**GROUP** **BY** is\_repeated\_guest

