1. What is the time period used?

   QUERY -

   select listing_id as property,start_time,end_time,DATEDIFF(end_time,start_time) as time_period from (select listing_id,

   min(date) start_time,

   max(date) end_time

   from airbnb

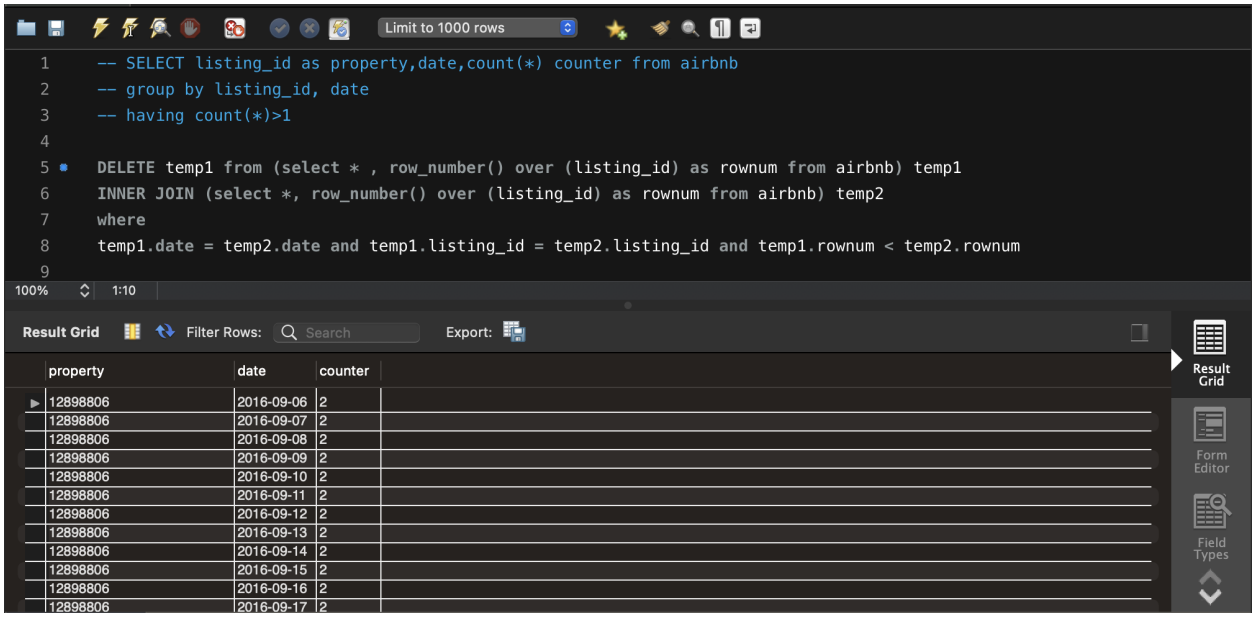
   group by listing_id)as temp

property	start_time	end_time	time_period
12147973	2016-09-06	2017-09-05	364
3075044	2016-09-06	2017-09-05	364
6976	2016-09-06	2017-09-05	364
1436513	2016-09-06	2017-09-05	364
7651065	2016-09-06	2017-09-05	364
12386020	2016-09-06	2017-09-05	364
5706985	2016-09-06	2017-09-05	364
2843445	2016-09-06	2017-09-05	364
753446	2016-09-06	2017-09-05	364
849408	2016-09-06	2017-09-05	364
12023024	2016-09-06	2017-09-05	364
1668313	2016-09-06	2017-09-05	364

2. How many properties have duplicate entries? Remove duplicate rows (say a row appears 3 times, remove 2 and keep 1)

   QUERY -

   DELETE temp1 from (select * , row_number() over (listing_id) as rownum from airbnb) temp1 INNER JOIN (select *, row_number() over (listing_id) as rownum from airbnb) temp2 where temp1.date = temp2.date and temp1.listing_id = temp2.listing_id and temp1.rownum < temp2.rownum



3. For each property, find out the number of days the property was available and not available (create a table with listing_id, available days, unavailable days and available days as a fraction of total days)

   QUERY -

   select listing_id as property,SUM(CASE WHEN available = 't' THEN 1 ELSE 0 END) AS Available,
   SUM(CASE WHEN available = 'f' THEN 1 ELSE 0 END) AS Unavailable
   from airbnb

   group by listing_id

property	Available	Unavailable
12147973	0	365
3075044	359	6
6976	319	46
1436513	98	267
7651065	334	31
12386020	58	307
5706985	344	21
2843445	365	0
753446	347	18
849408	107	258
12023024	343	22
1668313	341	24
2684840	0	365

4. How many properties were available on more than 50% of the days? How many properties were available on more than 75% of the days?

   QUERY -

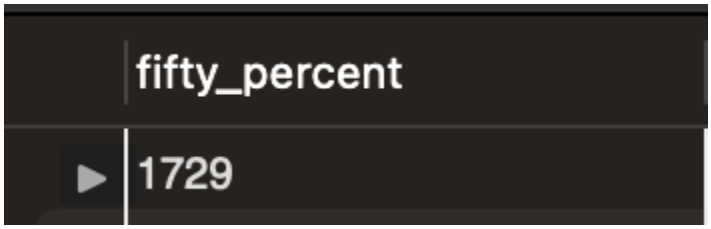
   (A)

   ```
   select count(property) as fifty_percent from(select listing_id as
   property,SUM(CASE WHEN available = 't' THEN 1 ELSE 0 END) AS Available,

   SUM(CASE WHEN available = 'f' THEN 1 ELSE 0 END) AS Unavailable from
   airbnb

   group by listing_id) as temp
   ```

where available>183



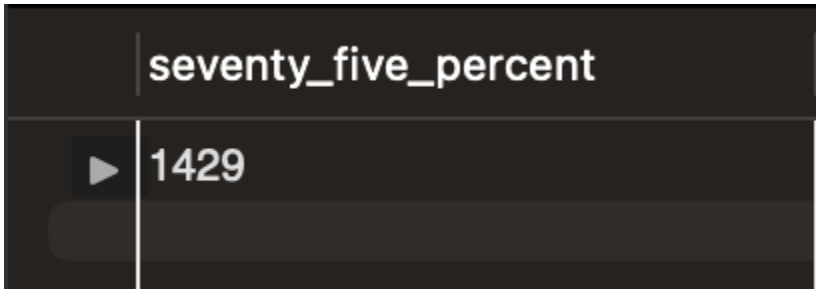
(B)

select count(property) as seventy_five_percent from(select listing_id as property,SUM(CASE WHEN available = 't' THEN 1 ELSE 0 END) AS Available,

SUM(CASE WHEN available = 'f' THEN 1 ELSE 0 END) AS Unavailable from airbnb

group by listing_id) as temp

where available>273



5. Create a table with max, min and average price of each property

   QUERY -

   Create Table Ques5

   (property int,

   maxprice float,

   minprice float,

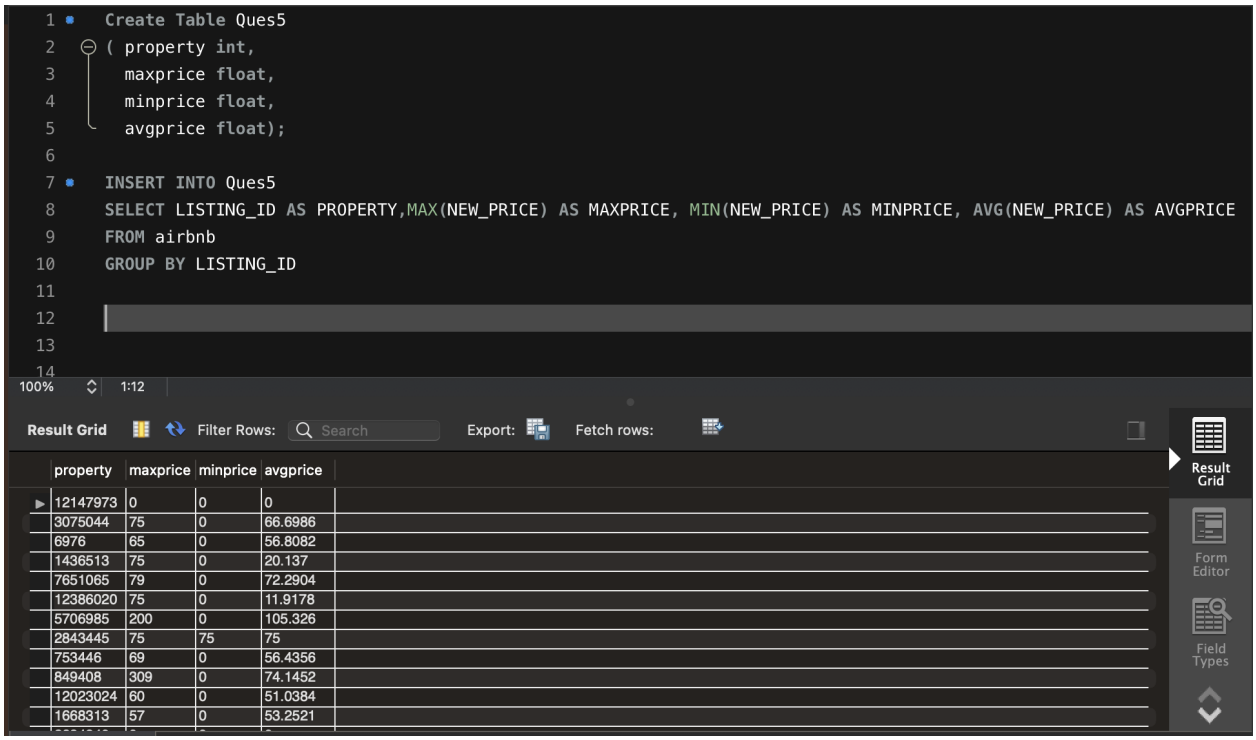
   avgprice float);

INSERT INTO Ques5

SELECT LISTING_ID AS PROPERTY,MAX(NEW_PRICE) AS MAXPRICE, MIN(NEW_PRICE) AS MINPRICE, AVG(NEW_PRICE) AS AVGPRICE

FROM airbnb

GROUP BY LISTING_ID



```
Create Table Ques5
( property int,
  maxprice float,
  minprice float,
  avgprice float);

INSERT INTO Ques5
SELECT LISTING_ID AS PROPERTY,MAX(NEW_PRICE) AS MAXPRICE, MIN(NEW_PRICE) AS MINPRICE, AVG(NEW_PRICE) AS AVGPRICE
FROM airbnb
GROUP BY LISTING_ID
```

100% 1:12

Result Grid | Filter Rows: Search | Export: | Fetch rows:

property	maxprice	minprice	avgprice
12147973	0	0	0
3075044	75	0	66.6986
6976	65	0	56.8082
1436513	75	0	20.137
7651065	79	0	72.2904
12386020	75	0	11.9178
5706985	200	0	105.326
2843445	75	75	75
753446	69	0	56.4356
849408	309	0	74.1452
12023024	60	0	51.0384
1668313	57	0	53.2521

Result Grid | Form Editor | Field Types

6. Extract properties with an average price of more than $500

   QUERY -

   SELECT LISTING_ID as Property,avg(new_price) as Price FROM airbnb

   GROUP BY LISTING_ID

   HAVING AVG(NEW_PRICE)>500

	Property	Price
▶	3881993	506.7123
	743211	521.5753
	50032	653.4932
	14813006	539.2603
	13918656	508.1644
	5783197	560.2740
	8303267	1573.4247
	6972426	551.3699
	1810397	732.0548
	7740592	703.2877
	1214214	520.0000
	2277821	573.6603
	2881388	726.1479
	9231486	608.2548
	7853079	500.6849
	3673688	699.0000
	7109689	557.2603
	11521541	650.1918
	6627802	1000.0000