SQL PROJECT

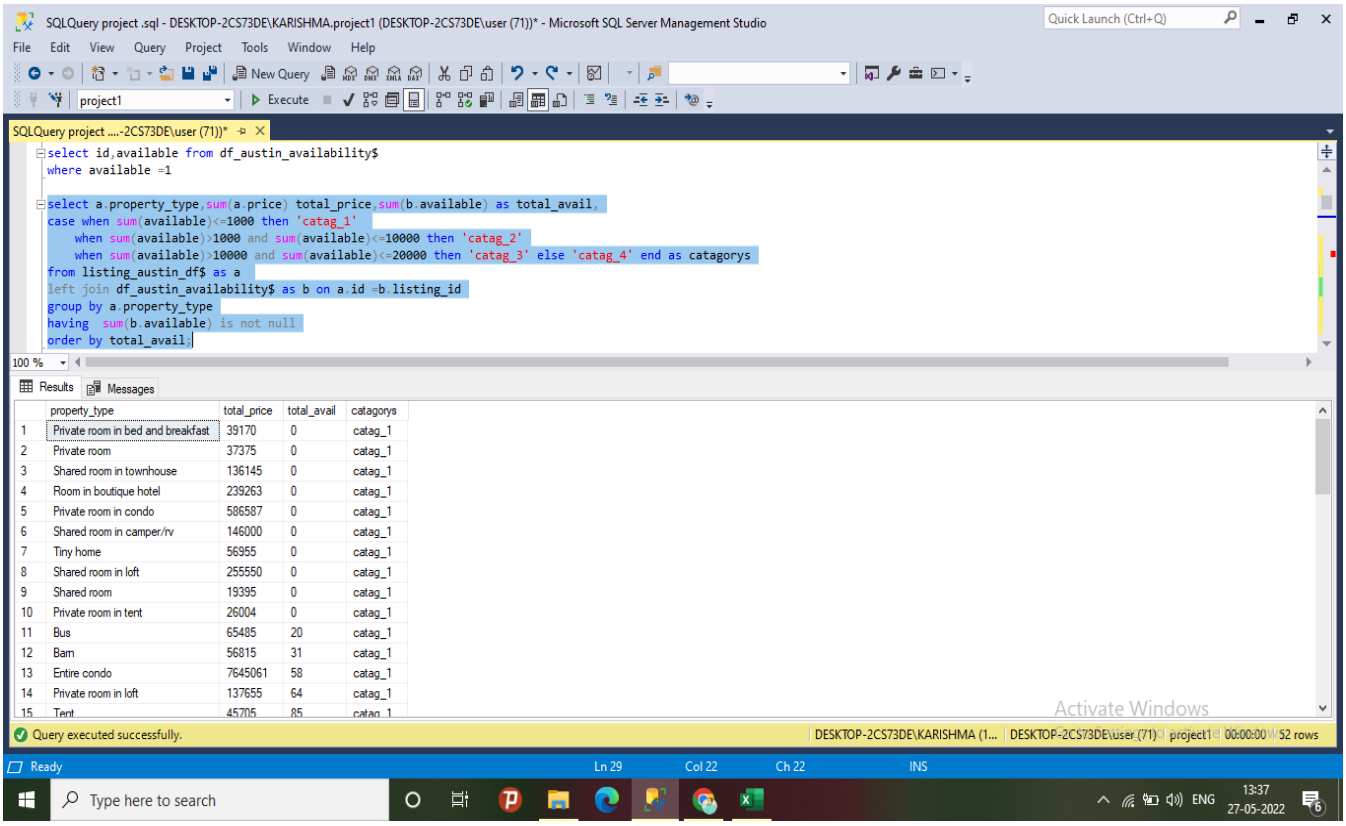
PROPERTY LISTING ANALYSIS

FOR AUSTIN CITY

Analyze different metrics to draw the distinction between the different types of property along with their price listings (bucketize them within 3-4 categories basis your understanding): To achieve this, you can use the following metrics and explore a few yourself as well. Availability within 15,30,45, etc.

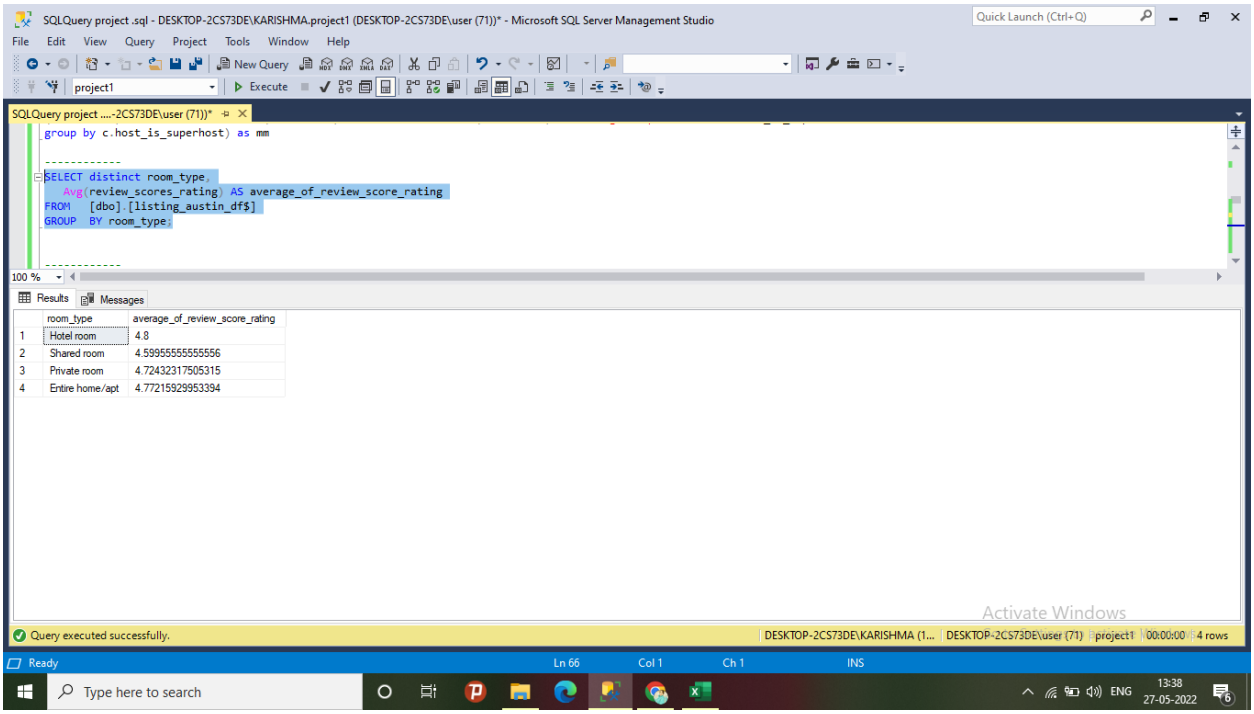
```
select a.property_type,sum(a.price) total_price,sum(b.available) as
total_avail,

case when sum(available)<=1000 then 'catag_1'
      when sum(available)>1000 and sum(available)<=10000 then
'catag_2'
      when sum(available)>10000 and sum(available)<=20000 then
'catag_3' else 'catag_4' end as catagorys
from listing_austin_df$ as a
left join df_austin_availability$ as b on a.id =b.listing_id
group by a.property_type
having sum(b.available) is not null
```

```
order by total_avail;
```



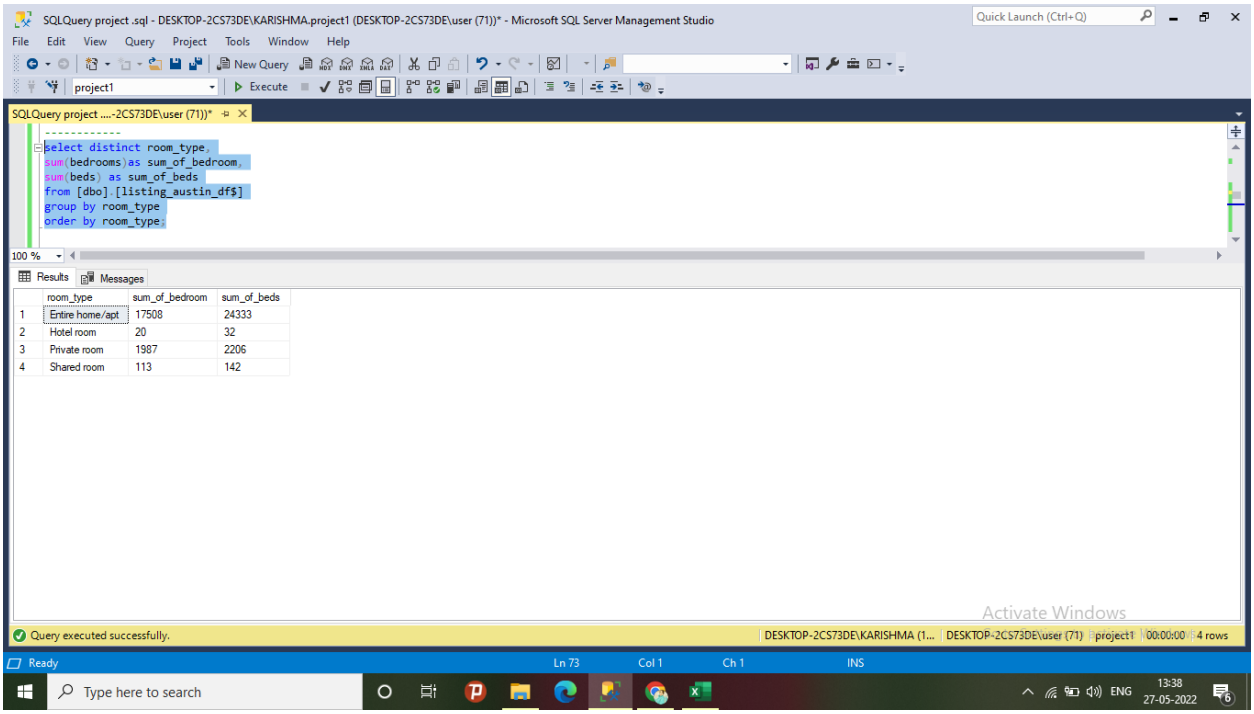
avg_rating of room_types

```
SELECT distinct room_type,
   Avg(review_scores_rating) AS average_of_review_score_rating
FROM [dbo]. [listing_austin_df$]
GROUP BY room_type;
```



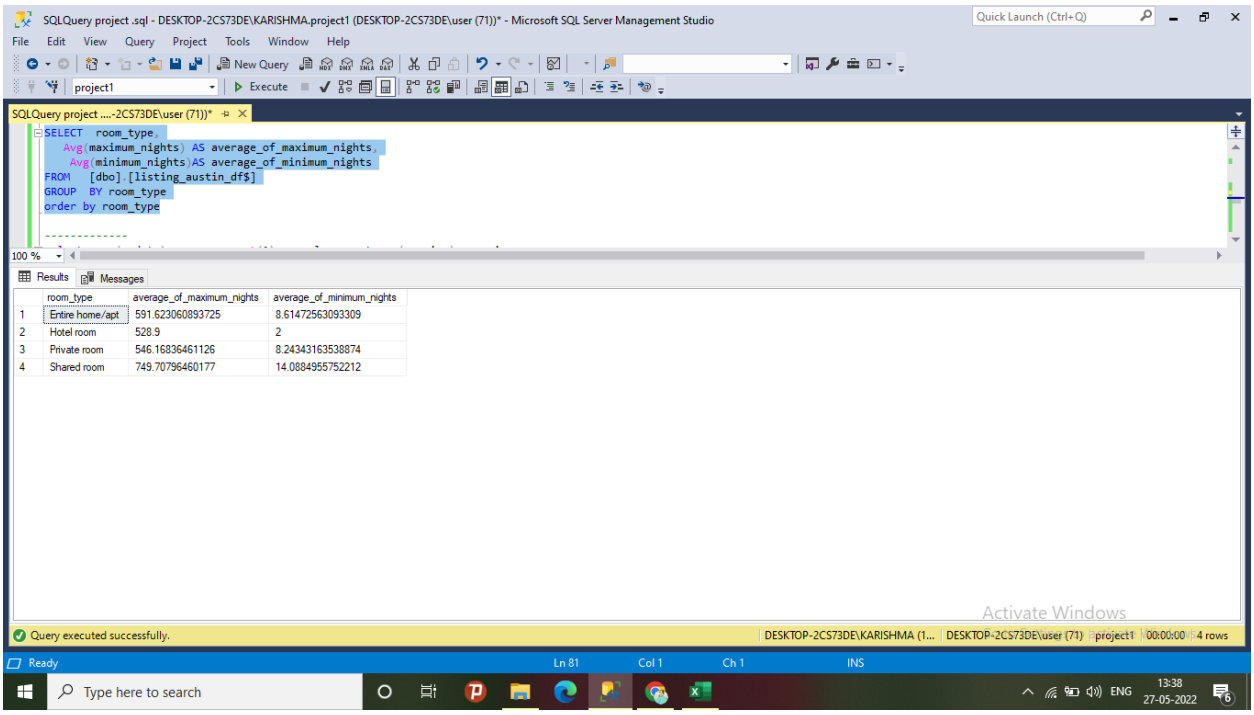
bedrooms &beds in room types

```
select distinct room_type,
sum(bedrooms)as sum_of_bedroom,
sum(beds) as sum_of_beds
from [dbo].[listing_austin_df$]
group by room_type
order by room_type;
```



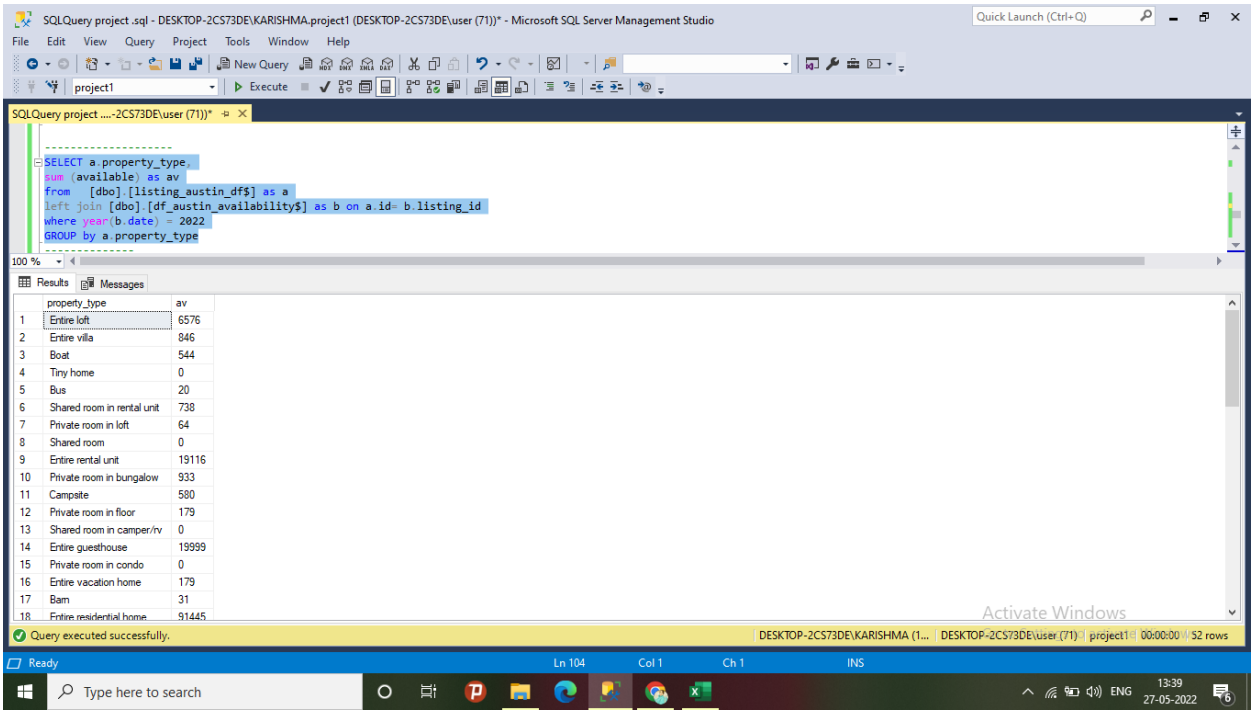
average max &min nights avail for room types

```
SELECT room_type,

Avg(maximum_nights) AS average_of_maximum_nights,

Avg(minimum_nights)AS average_of_minimum_nights
FROM   [dbo].[listing_austin_df$]
GROUP  BY room_type
order by room_type
```



property types available in year 2022

```
SELECT a.property_type,
sum (available) as avail
from   [dbo].[listing_austin_df$] as a
left join [dbo].[df_austin_availability$] as b on a.id= b.listing_id
where year(b.date) = 2022
GROUP by a.property_type
```



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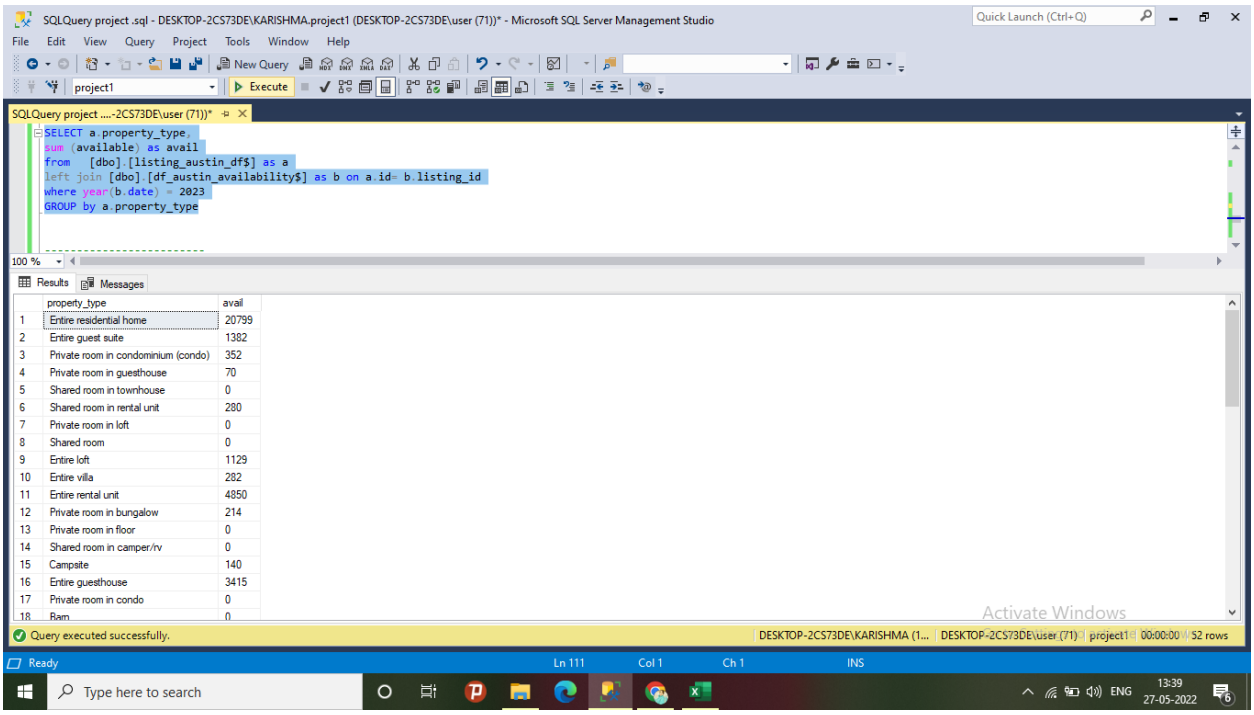
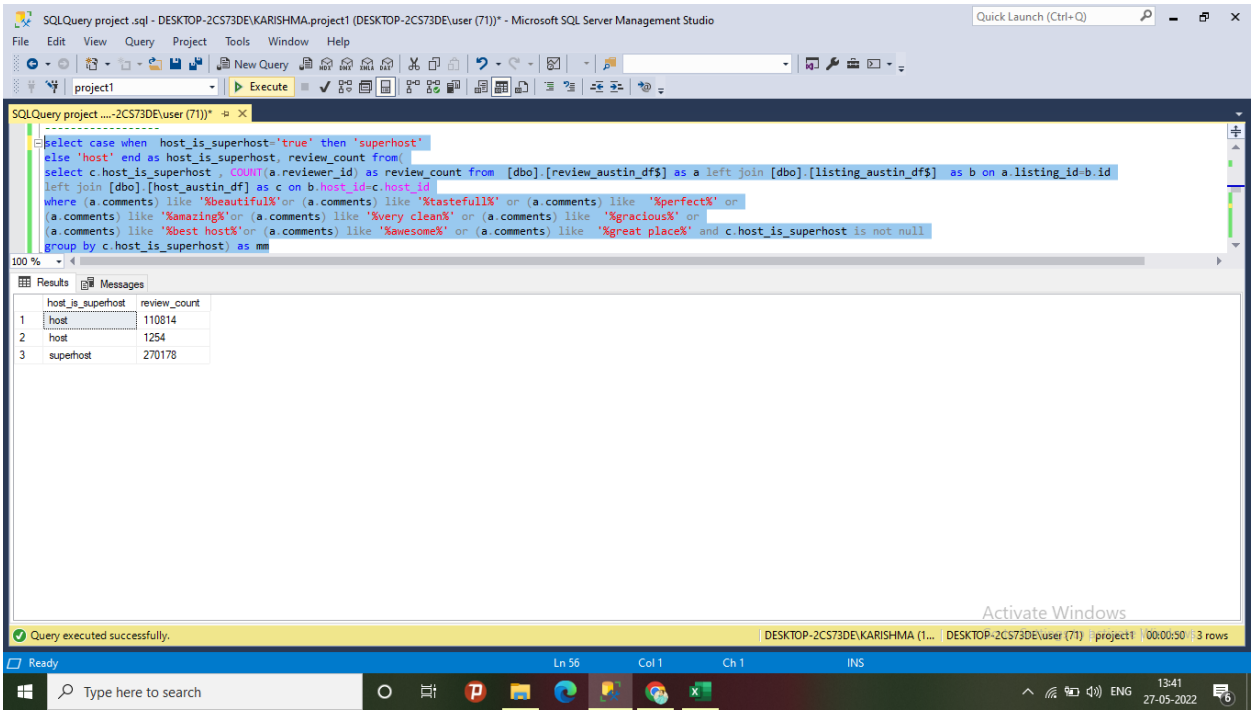


positive review for host and super host

```
select case when host_is_superhost='true' then 'superhost'
else 'host' end as host_is_superhost, review_count from(
select c.host_is_superhost , COUNT(a.reviewer_id) as review_count
from  [dbo].[review_austin_df$] as a left join [dbo].[listing_austin_df$]
as b on a.listing_id=b.id
left join [dbo].[host_austin_df] as c on b.host_id=c.host_id
where (a.comments) like '%beautiful%'or (a.comments) like
'%tastefull%' or (a.comments) like  '%perfect%' or
(a.comments) like '%amazing%'or (a.comments) like '%very clean%' or
(a.comments) like  '%gracious%' or
(a.comments) like '%best host%'or (a.comments) like '%awesome%' or
(a.comments) like  '%great place%' and c.host_is_superhost is not null
group by c.host_is_superhost) as mm
```



FOR DALLAS CITY

Analyze different metrics to draw the distinction between the different types of property along with their price listings (bucketize them within 3-4 categories basis your understanding): To achieve this, you can use the following metrics and explore a few yourself as well. Availability within 15,30,45, etc.

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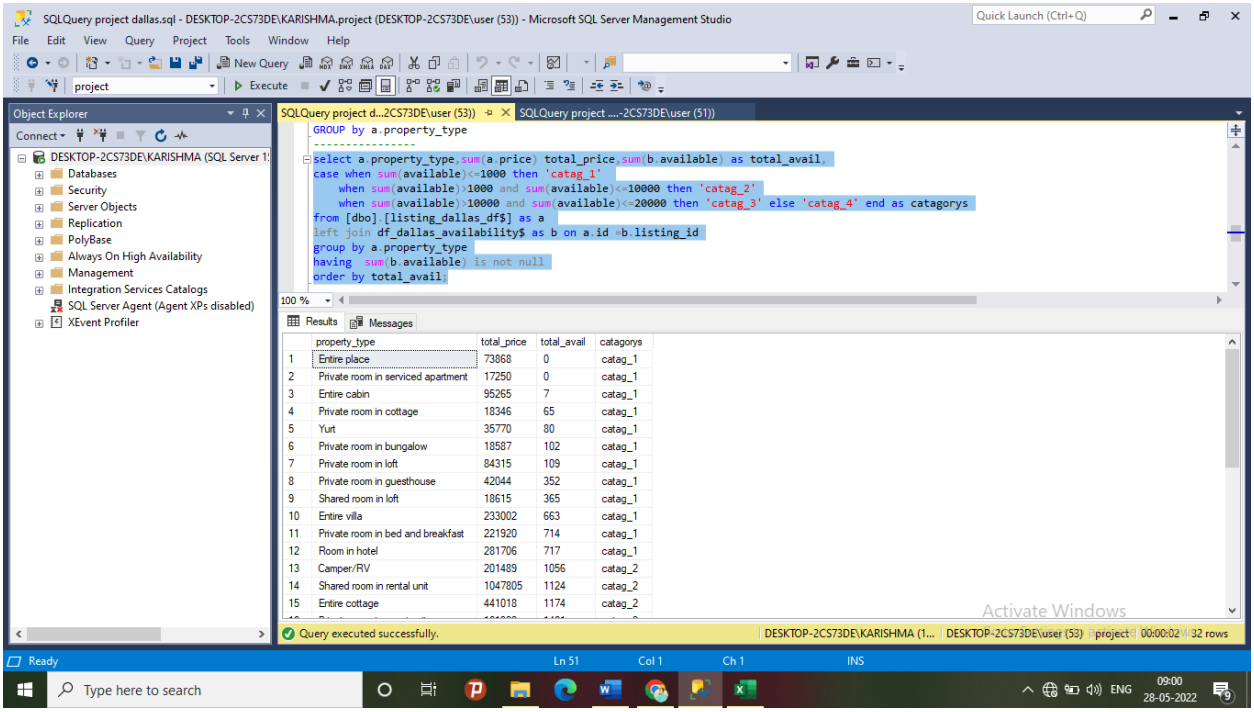
      when sum(available)>10000 and sum(available)<=20000 then
'catag_3' else 'catag_4' end as catagorys
from [dbo].[listing_dallas_df$] as a
left join df_dallas_availability$ as b on a.id =b.listing_id
group by a.property_type
having sum(b.available) is not null
```

```
order by total_avail;
```



avg_rating of room_types

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```

```
GROUP BY room_type;
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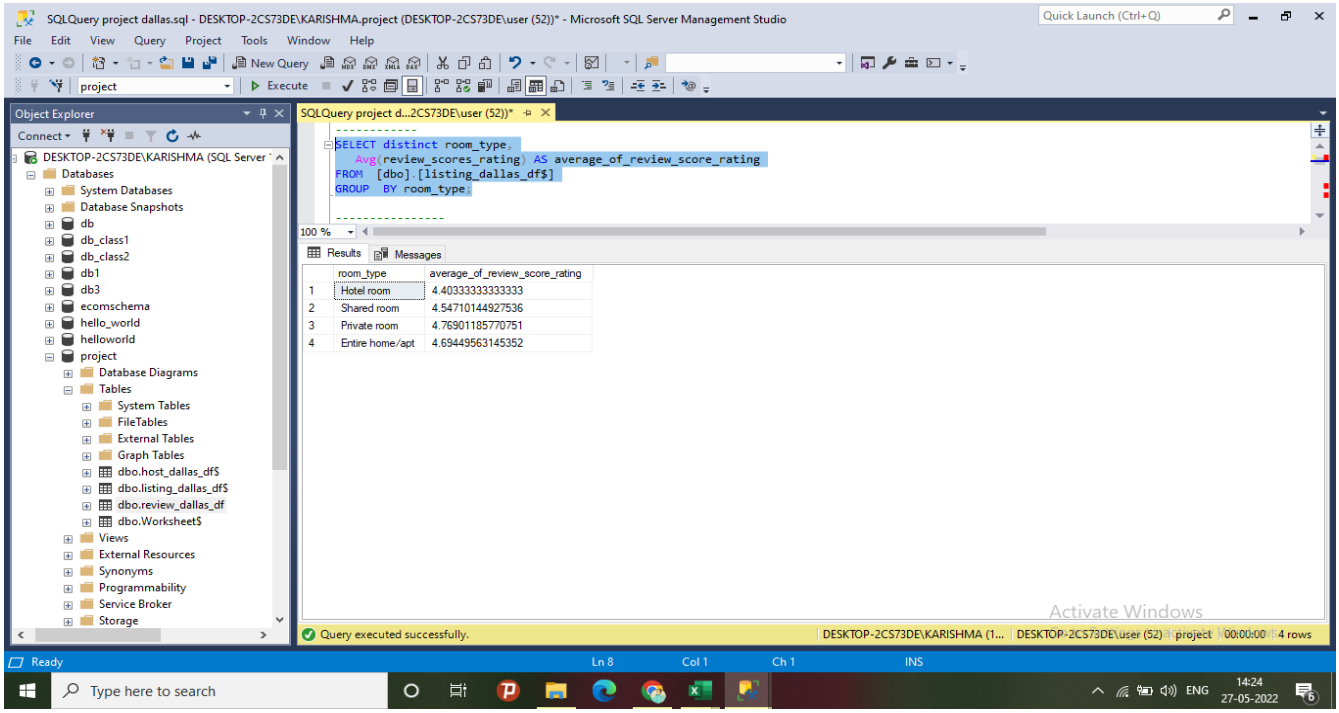

bedrooms &beds in room types

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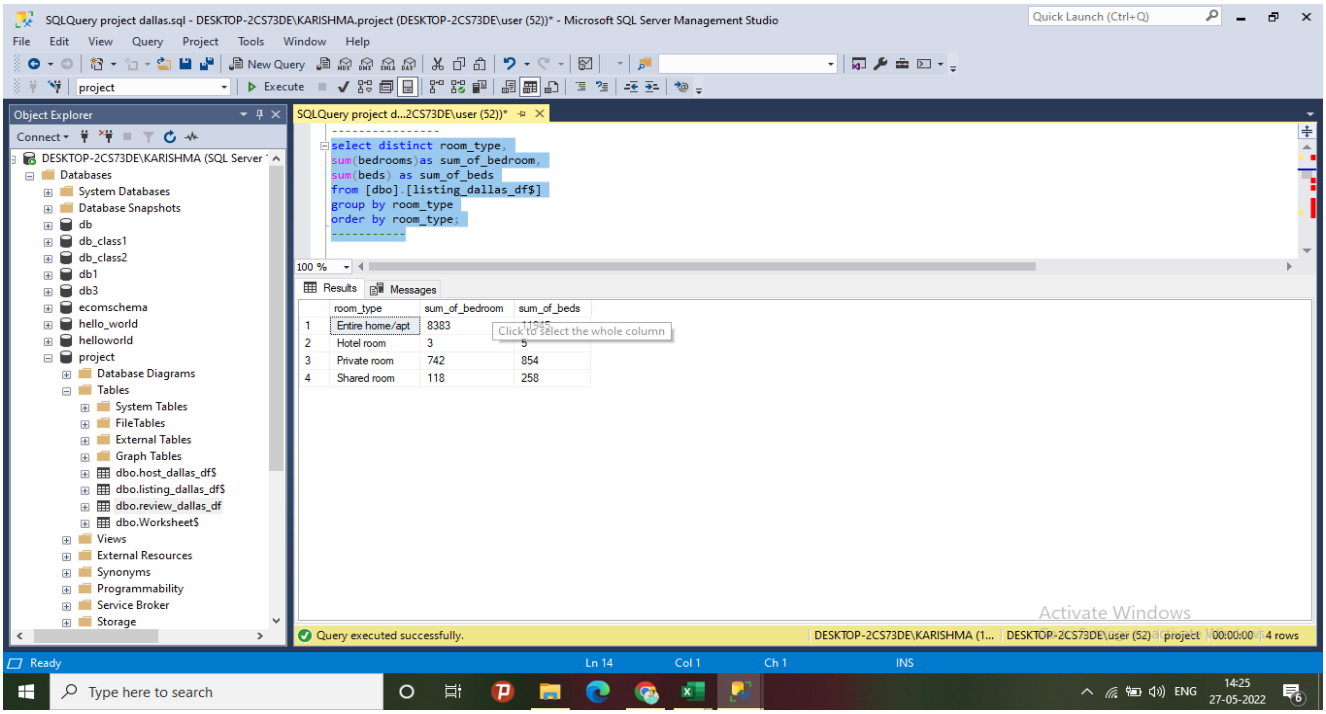

average max &min nights avail for room types

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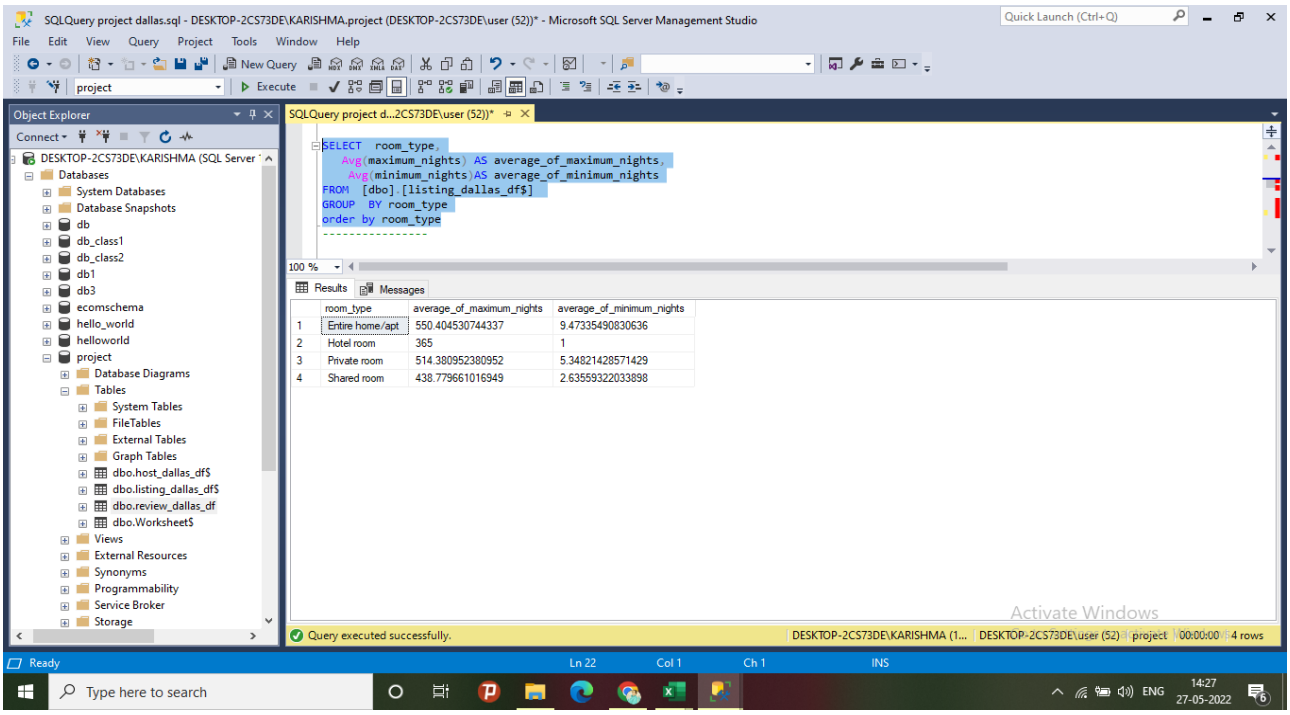

property types available in year 2022

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where year(b.date) = 2022
GROUP by a.property_type
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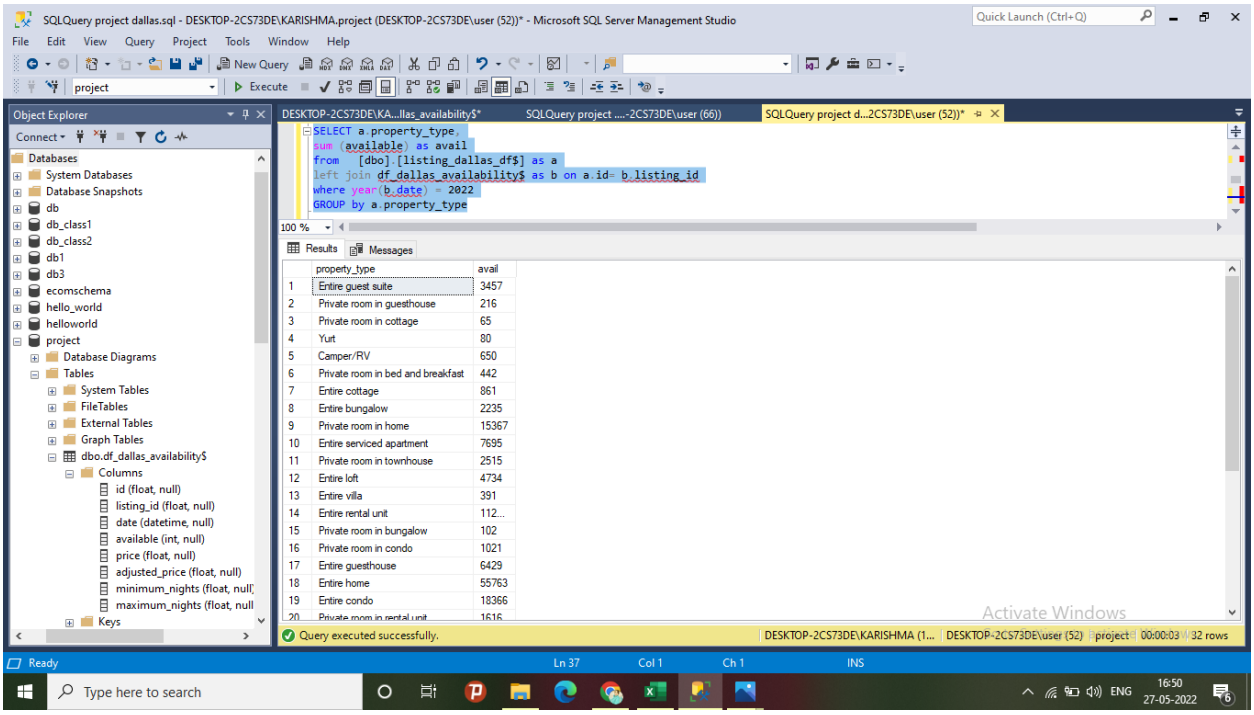

property types available in year 2023

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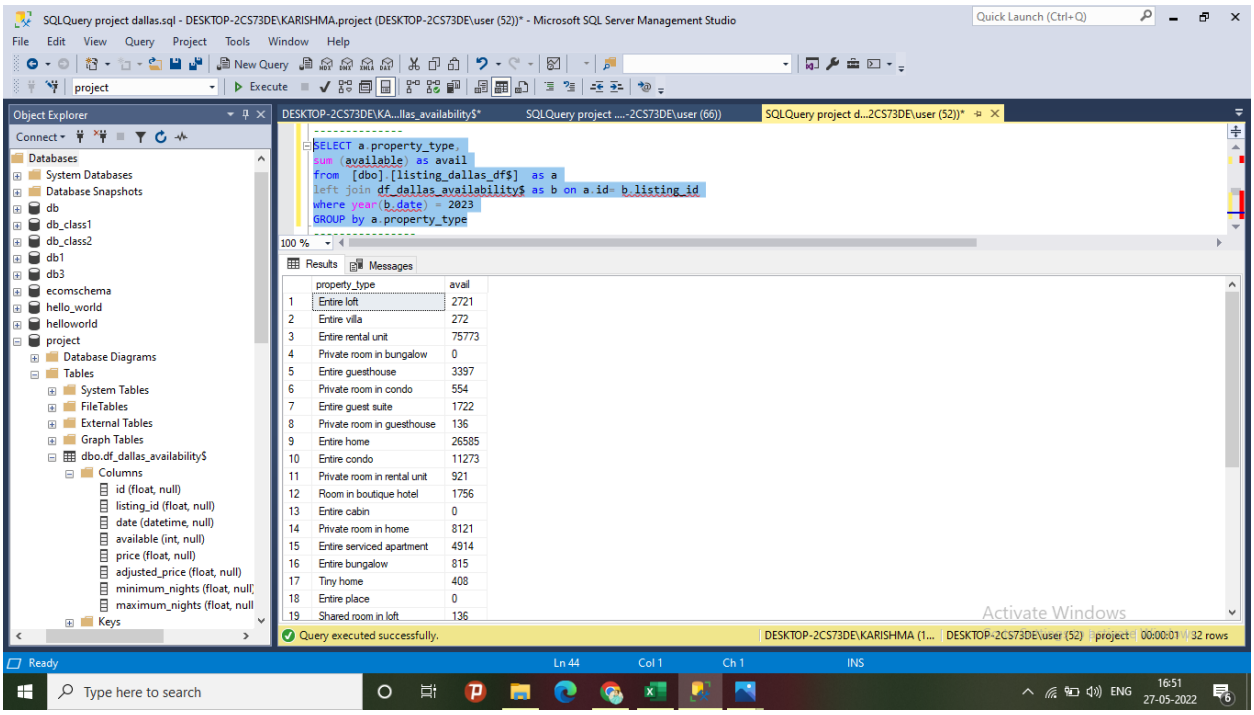

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as b on a.reviewer_id=b.id
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group by c.host_is_superhost) as mm
```

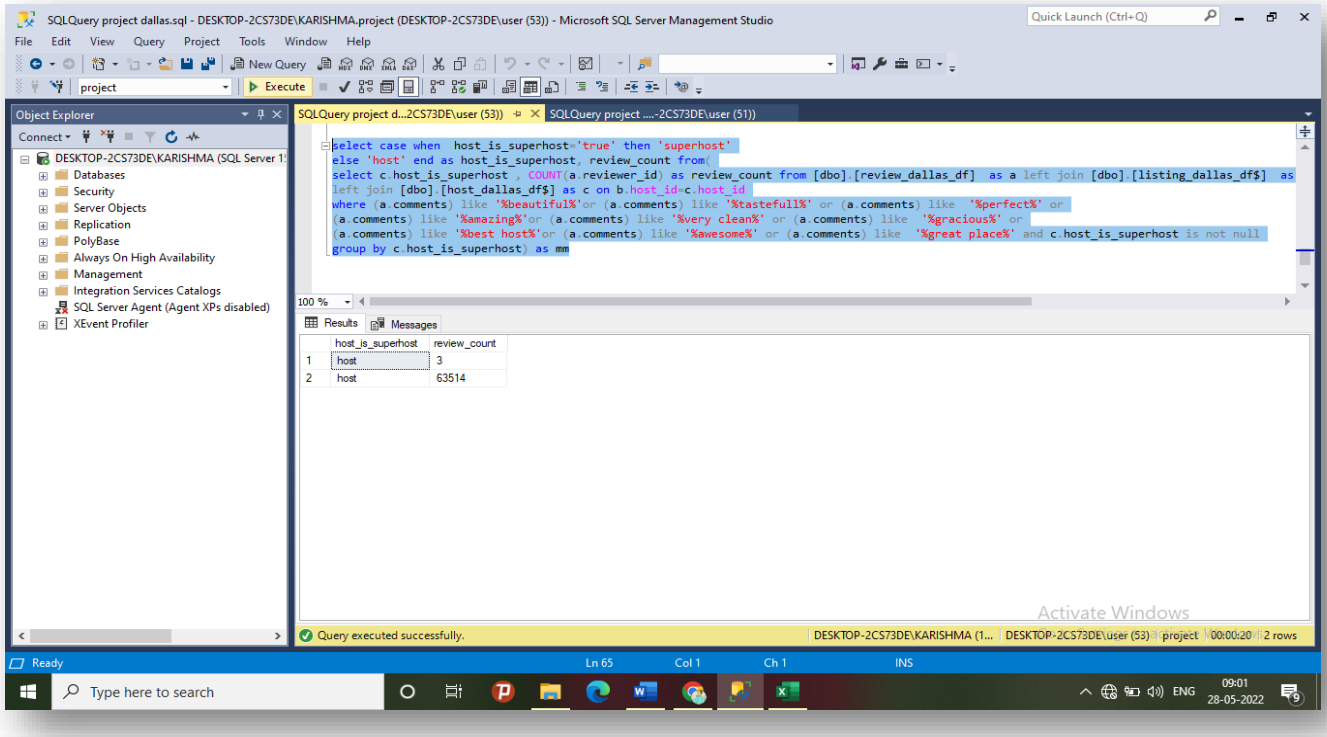
SQLQuery project dallas.sql - DESKTOP-2CS73DE\KARISHMA.project (DESKTOP-2CS73DE\user (53)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
Object Explorer
Connect
DESKTOP-2CS73DE\KARISHMA (SQL Server 1
Databases
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled)
XEvent Profiler
SQLQuery project d...2CS73DE\user (53))
SQLQuery project ....-2CS73DE\user (51))
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group by c.host_is_superhost) as mm
100 %
Results
Messages
host_is_superhost review_count
1 host 3
2 host 63514
Activate Windows
Query executed successfully.
DESKTOP-2CS73DE\KARISHMA (1...
DESKTOP-2CS73DE\user (53)
project
00:00:20
2 rows
Ready
Ln 65
Col 1
Ch 1
INS
Type here to search
ENG
09:01
28-05-2022