

```

select host_name , host_location,
case
when host_acceptance_rate <= 25 then 'worst'
when host_acceptance_rate <= 50 then 'normal'
when host_acceptance_rate <= 75 then 'good'
when host_acceptance_rate <=100 then 'excellent'
else 'not applicable'
end as ratings
from host_vancouver_df$;

```

0 %

Results Messages

	host_name	host_location	ratings
	Lynn	Vancouver, British Columbia, Canada	good
	Iris	Vancouver, British Columbia, Canada	excellent
	Peter & Alison	Vancouver, British Columbia, Canada	good
	Jason	Vancouver, British Columbia, Canada	excellent
	Q	CA	worst
	Elaine	Vancouver, British Columbia, Canada	normal
	James	Vancouver, British Columbia, Canada	excellent
	Ran	Vancouver, British Columbia, Canada	not applicable
	Sylvain & Alexis	Vancouver, British Columbia, Canada	excellent
0	Dean	Vancouver, British Columbia, Canada	excellent
1	Kai	Vancouver, British Columbia, Canada	good
2	Bevin	Vancouver, British Columbia, Canada	excellent
3	Shirin	Vancouver, British Columbia, Canada	worst
4	Tony And Rachel	Vancouver, British Columbia, Canada	excellent
5	Adam	Vancouver, British Columbia, Canada	excellent
6	Julia	Vancouver, British Columbia, Canada	excellent
7	Alicia	Vancouver, British Columbia, Canada	excellent
8	Ali	Vancouver, British Columbia, Canada	excellent

Query executed successfully.

For toronto

```

select host_name , host_location,
case
when host_acceptance_rate <= 25 then 'worst'
when host_acceptance_rate <= 50 then 'normal'
when host_acceptance_rate <= 75 then 'good'
when host_acceptance_rate <=100 then 'excellent'
else 'not applicable'
end as ratings
from host_toronto_df;

```

100 % ▾

Results Messages

	host_name	host_location	ratings
260	Faiza And Adam	Toronto, Ontario, Canada	good
261	Darius	Toronto, Ontario, Canada	normal
262	Stefan	Toronto, Ontario, Canada	good
263	Roman	Toronto, Ontario, Canada	good
264	Melanie	Montreal, Quebec, Canada	good
265	Muhammad	Toronto, Ontario, Canada	not applicable
266	Amir	Toronto, Ontario, Canada	not applicable
267	Cindy	Toronto, Ontario, Canada	normal
268	Arghavan	Toronto, Ontario, Canada	excellent
269	Mike	Toronto, Ontario, Canada	excellent
270	Juli	Toronto, Ontario, Canada	good
271	Stephen	Toronto, Ontario, Canada	not applicable
272	Laurie	Toronto, Ontario, Canada	not applicable
273	Isil	Toronto, Ontario, Canada	good
274	Kong Kie	Toronto, Ontario, Canada	not applicable
275	Karen	Toronto, Ontario, Canada	good
276	Alexandra	Toronto, Ontario, Canada	excellent
277	Laura	Toronto, Ontario, Canada	worst
278	Gloria	Toronto, Ontario, Canada	not applicable
279	Kirill	Toronto, Ontario, Canada	not applicable
280	Matthias	Toronto, Ontario, Canada	not applicable
281	Fariba	Toronto, Ontario, Canada	not applicable

```
select room_type from listing_vancouver_df
group by room_type;
```

00 %

Results Messages

	room_type
1	Hotel room
2	Shared room
3	Private room
4	Entire home/apt

```
select host_response_time ,count(*) total_count from host_toronto_df
group by host_response_time;
```

100 %

Results Messages

	host_response_time	total_count
1	within a day	721
2	within an hour	2870
3	within a few hours	1062
4	NULL	4922
5	a few days or more	400

```
select host_response_time ,count(*) total_count from host_vancouver_df$
group by host_response_time;
```

100 %

Results Messages

	host_response_time	total_count
1	within a day	121
2	within an hour	546
3	within a few hours	234
4	NULL	529
5	a few days or more	37

```
select property_type,min(price) as min_prices ,max(price) as max_prices from listing_vancouver_df  
group by property_type;
```

100 %

Results Messages

	property_type	min_prices	max_prices
1	Boat	250	2600
2	Camper/RV	102	175
3	Entire bungalow	89	259
4	Entire cabin	25	275
5	Entire condo	42	2100
6	Entire condominium (condo)	45	6500
7	Entire cottage	106	214
8	Entire guest suite	40	610
9	Entire guesthouse	49	599
10	Entire home	21	1200
11	Entire loft	50	1588
12	Entire place	68	352
13	Entire rental unit	27	3250
14	Entire residential home	25	9999
15	Entire serviced apartment	45	9999
16	Entire timeshare	210	247
17	Entire townhouse	80	827
18	Entire vacation home	179	1500
19	Entire villa	99	1200
20	Floor	146	146
21	Houseboat	208	325
22	Private room in bed and breakfast	50	801
23	Private room in boat	350	1700
24	Private room in bungalow	35	215

```
select property_type,min(price) as min_prices ,max(price) as max_prices from listing_toronto_df  
group by property_type;
```

100 %

Results

Messages

	property_type	min_prices	max_prices
1	Entire loft	50	6848
2	Entire condominium (condo)	29	11500
3	Camper/RV	188	400
4	Entire cottage	100	699
5	Shared room in barn	60	60
6	Shared room in boat	150	150
7	Private room in bungalow	14	500
8	Entire villa	120	5000
9	Private room in bed and breakfast	36	209
10	Private room in home	13	11800
11	Entire serviced apartment	70	1613
12	Private room in guest suite	25	168
13	Private room in condo	14	1248
14	Shared room in townhouse	14	125
15	Shared room in condo	39	80
16	Entire place	97	499
17	Shared room in hotel	38	38
18	Private room in rental unit	14	2000
19	Entire rental unit	22	12400
20	Private room in vacation home	79	85
21	Private room in earth house	60	60
22	Tiny house	55	160
23	Private room in loft	35	1400
24	Entire guesthouse	48	301

```

select id ,review_scores_rating,
case
when review_scores_rating<= 2 then 'worst'
when review_scores_rating <= 3 then 'normal'
when review_scores_rating <= 4 then 'good'
when review_scores_rating <= 5 then 'excellent'
else 'not applicable'
end as ratings
from listing_toronto_df

```

100 %

Results Messages

	id	review_scores_rating	ratings
1	1419	5	excellent
2	8077	4.84000015258789	excellent
3	23691	4.75	excellent
4	27423	4.92000007629395	excellent
5	30931	5	excellent
6	40456	4.63000011444092	excellent
7	41887	4.71999979019165	excellent
8	42892	NULL	not applicable
9	43964	4.96999979019165	excellent
10	44452	4.15000009536743	excellent
11	44469	4	good
12	45399	4.13000011444092	excellent
13	45453	4.13000011444092	excellent
14	45601	NULL	not applicable
15	45893	4.26999998092651	excellent
16	50110	4.61999988555908	excellent
17	51616	4.88000011444092	excellent
18	64635	4.55000019073486	excellent
19	64641	4.76000022888184	excellent

✓ Query executed successfully.

```

select id ,review_scores_rating,
case
when review_scores_rating<= 2 then 'worst'
when review_scores_rating <= 3 then 'normal'
when review_scores_rating <= 4 then 'good'
when review_scores_rating <= 5 then 'excellent'
else 'not applicable'
end as ratings
from listing_vancouver_df

```

) %

Results Messages

id	review_scores_rating	ratings
13358	4.67000007629395	excellent
13490	4.92000007629395	excellent
14267	4.76000022888184	excellent
16254	4.80000019073486	excellent
16611	4	good
17158	5	excellent
17765	4.59999990463257	excellent
18270	4.53999996185303	excellent
18589	4.98000001907349	excellent
18773	4.21999979019165	excellent
18795	4.55000019073486	excellent
19527	4.69000005722046	excellent
19621	NULL	not applicable
20085	4.82000017166138	excellent
21912	4.69000005722046	excellent
21913	4.73999977111816	excellent
24273	5	excellent
26047	4.76000022888184	excellent
33150	4.96000079019165	excellent

```
select property_type from listing_vancouver_df  
group by property_type;
```

100 %



Results



Messages

	property_type
1	Boat
2	Camper/RV
3	Entire bungalow
4	Entire cabin
5	Entire condo
6	Entire condominium (condo)
7	Entire cottage
8	Entire guest suite
9	Entire guesthouse
10	Entire home
11	Entire loft
12	Entire place
13	Entire rental unit
14	Entire residential home
15	Entire serviced apartment
16	Entire timeshare
17	Entire townhouse
18	Entire vacation home
19	Entire villa
20	Floor
21	Houseboat
22	Private room in bed and breakfast
23	Private room in boat
24	Private room in bungalow
25	Private room in camper/rv
26	Private room in casa particular
27	Private room in condo
28	Private room in condominium (condo)
29	Private room in earth house



```
select room_type, count(*) as bestproperty from listing_vancouver_df
group by room_type;
```

150 %

Results Messages

	room_type	bestproperty
1	Hotel room	5
2	Shared room	16
3	Private room	834
4	Entire home/apt	3675

----- toronto

```
select room_type, count(*) as bestproperty from listing_toronto_df
group by room_type;
```

150 %

Results Messages

	room_type	bestproperty
1	Shared room	171
2	Entire home/apt	10277
3	Hotel room	17
4	Private room	4953

```
select A.property_type, B.available from listing_vancouver_df as A left join df_vancouver_availability as B
on A.id = B.id
group by A.property_type, B.available
```

100 %

Results Messages

	property_type	available
1	Boat	NULL
2	Camper/RV	NULL
3	Entire bungalow	NULL
4	Entire cabin	NULL
5	Entire condo	NULL
6	Entire condo	0
7	Entire condo	1
8	Entire condominium (condo)	NULL
9	Entire condominium (condo)	0
10	Entire condominium (condo)	1
11	Entire cottage	NULL
12	Entire guest suite	NULL
13	Entire guest suite	0
14	Entire guest suite	1
15	Entire guesthouse	NULL
16	Entire guesthouse	0
17	Entire guesthouse	1
18	Entire home	NULL
19	Entire home	0
20	Entire home	1
21	Entire loft	NULL
22	Entire loft	0
23	Entire loft	1

Query executed successfully.

LAPTOP-QPA3NR

## Count super host VS normal host over profile pic

```
use projectsql
select
sum( case when host_is_superhost='true' and host_has_profile_pic='true'then 1 else 0 end ) as superhost_with_profilepic,
sum( case when host_is_superhost='true' and host_has_profile_pic='false'then 1 else 0 end ) as superhost_without_profilepic,
sum( case when host_is_superhost='false' and host_has_profile_pic='true'then 1 else 0 end ) as superhost_with_profilepic,
sum( case when host_is_superhost='false' and host_has_profile_pic='false'then 1 else 0 end ) as superhost_without_profilepic
from host_toronto_df;
```

0 %

Results Messages

	superhost_with_profilepic	superhost_without_profilepic	superhost_with_profilepic	superhost_without_profilepic
1	2351	2	7532	84

```
select
sum( case when host_is_superhost='true' and host_has_profile_pic='true'then 1 else 0 end ) as superhost_with_identity,
sum( case when host_is_superhost='true' and host_has_profile_pic='false'then 1 else 0 end ) as superhost_without_identity,
sum( case when host_is_superhost='false' and host_has_profile_pic='true'then 1 else 0 end ) as superhost_with_identity,
sum( case when host_is_superhost='false' and host_has_profile_pic='false'then 1 else 0 end ) as superhost_without_identity
from host_toronto_df;
```

100 %

Results Messages

	superhost_with_identity	superhost_without_identity	superhost_with_identity	superhost_without_identity
1	2351	2	7532	84

## For vancouver

```
use projectsql
select
sum( case when host_is_superhost='true' and host_has_profile_pic='true'then 1 else 0 end ) as superhost_with_profilepic,
sum( case when host_is_superhost='true' and host_has_profile_pic='false'then 1 else 0 end ) as superhost_without_profilepic,
sum( case when host_is_superhost='false' and host_has_profile_pic='true'then 1 else 0 end ) as superhost_with_profilepic,
sum( case when host_is_superhost='false' and host_has_profile_pic='false'then 1 else 0 end ) as superhost_without_profilepic
from host_vancouver_df$;
```

00 %

Results Messages

	superhost_with_profilepic	superhost_without_profilepic	superhost_with_profilepic	superhost_without_profilepic
1	645	1	816	5

```
-----identity verified
select
sum( case when host_is_superhost='true' and host_has_profile_pic='true'then 1 else 0 end ) as superhost_with_identity,
sum( case when host_is_superhost='true' and host_has_profile_pic='false'then 1 else 0 end ) as superhost_without_identity,
sum( case when host_is_superhost='false' and host_has_profile_pic='true'then 1 else 0 end ) as superhost_with_identity,
sum( case when host_is_superhost='false' and host_has_profile_pic='false'then 1 else 0 end ) as superhost_without_identity
from host_vancouver_df$;
```

00 %

Results Messages

	superhost_with_identity	superhost_without_identity	superhost_with_identity	superhost_without_identity
1	645	1	816	5

```

-----E
Select distinct h.host_id , Avg(L.price) over (partition by H. Host_id)
From listing_vancouver_df as L
Inner join host_vancouver_df$ H on L.Host_id = H. Host_id
Where H.host_is_superhost = 'FALSE'
order by h. Host_id;

Select distinct h.host_id , Avg(L.price) over (partition by H. Host_id)
From listing_vancouver_df as L
Inner join host_vancouver_df$ H on L.Host_id = H. Host_id
Where H.host_is_superhost = 'TRUE'
order by h. Host_id;

Select h.host_id , Avg(L.price) as AVG_PRICE_PER_HOST, Count(A.available) as AVAILABLE_COUNT
From listing_vancouver_df as L
Inner join host_vancouver_df$ H on L.Host_id = H. Host_id
Inner join df_vancouver_availability as A on A.listing_id = L.id
Where A.available = 'TRUE' and
YEAR(A.Date) = '2023' and
H.host_is_superhost = 'TRUE'
group by H.host_id
having AVG(L.price) > 200;

```

100 %

Results Messages

	host_id	AVG_PRICE_PER_HOST	AVAILABLE_COUNT
1	100287076	600	68
2	13505875	255	68
3	12260950	300	68
4	66638660	214	68
5	141458230	236	68
6	7151163	240	69
7	64481384	327	65
8	8073767	299	68
9	8924838	258	69
10	160895495	220	68
11	126002388	247	69
12	55967577	450	69

Query executed successfully.

```
---no of super host atleast one big listing

select count(host_id) from(
select h.host_id, count(h.host_id) as CC from host_vancouver_df$ H
inner join listing_vancouver_df L on H.host_id = L.host_id
where (property_type like '%entire%' or
property_type like '%houeboat%' or
property_type like '%Barn%' or
property_type like '%Boat%')
and host_is_superhost = 'True'
group by h.host_id) a
```

100 %

Results Messages

	(No column name)
1	570

For toronto

```
select count(host_id) from(
select h.host_id, count(h.host_id) as CC from host_toronto_df H
inner join listing_toronto_df L on H.host_id = L.host_id
where (property_type like '%entire%' or
property_type like '%houeboat%' or
property_type like '%Barn%' or
property_type like '%Boat%')
and host_is_superhost = 'True'
group by h.host_id) a
```

.00 %

Results Messages

	(No column name)
1	1915

-----no of normal host who have atleast one big listing

```
select count(host_id) from(  
  select h.host_id, count(h.host_id) as CC from host_vancouver_df$ H  
  inner join listing_vancouver_df L on H.host_id = L.host_id  
  where (property_type like '%entire%' or  
  property_type like '%houeboat%' or  
  property_type like '%Barn%' or  
  property_type like '%Boat%')  
  and host_is_superhost = 'FALSE'  
  group by h.host_id) as biglisting
```

100 %

Results Messages

(No column name)

676

For toronto

```
select count(host_id) from(  
  select h.host_id, count(h.host_id) as CC from host_toronto_df H  
  inner join listing_vancouver_df L on H.host_id = L.host_id  
  where (property_type like '%entire%' or  
  property_type like '%houeboat%' or  
  property_type like '%Barn%' or  
  property_type like '%Boat%')  
  and host_is_superhost = 'FALSE'  
  group by h.host_id) as biglisting
```

100 %

Results Messages

(No column name)

1

4

Total no of host who are local to their listing property and having more than acceptance rate of 80

```

-----F
----total no of host who are local to their listing property and having more than acceptance rate of 80

select count (*) from(
select H.host_id, H.host_acceptance_rate from host_vancouver_df$ as H
inner join listing_vancouver_df as L on H.host_neighbourhood = L.neighbourhood_cleansed and H.host_id = L.host_id
group by H.host_id, H.host_acceptance_rate
having H.host_acceptance_rate > 80) AA

```

100 %

Results Messages

	(No column name)
1	390

Total number of host who are not local to their listing property and having more than acceptance rate of 80

```

----total no of host who are not local to their listing property and having more than acceptance rate of 80

select count (*) from(
select H.host_id, H.host_acceptance_rate from host_vancouver_df$ as H
inner join listing_vancouver_df as L on H.host_neighbourhood = L.neighbourhood_cleansed and H.host_id = L.host_id
group by H.host_id, H.host_acceptance_rate
having H.host_acceptance_rate > 80) AA

```

100 %

Results Messages

	(No column name)
1	390

```

---- for toronto

select count (*) from(
select H.host_id, H.host_acceptance_rate from host_toronto_df as H
inner join listing_toronto_df as L on H.host_neighbourhood = L.neighbourhood_cleansed and H.host_id = L.host_id
group by H.host_id, H.host_acceptance_rate
having H.host_acceptance_rate > 80) AA

```

100 %

Results Messages

	(No column name)
1	432