use Projecttoronto;

select \* from host\_vancouver\_df;

select \* from listing\_vancouver\_df;

select \* from review\_vancouver\_df;

select \* from vancouver\_availability;

select host\_name , host\_location , host\_acceptance\_rate as Acceptance\_rate from host\_vancouver\_df

where host\_acceptance\_rate is not null

group by host\_acceptance\_rate ;

select \* ,

case

when host\_acceptance\_rate between 0 to 25 then 'worst'

when host\_acceptance\_rate between 26 to 50 then 'normal'

when host\_acceptance\_rate between 51 to 75 then 'good'

when host\_acceptance\_rate between 76 to 100 then 'excellent'

else 'not applicable'

end as ratings

from host\_vancouver\_df;

----

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;

---

------------

select \* from listing\_vancouver\_df;

select \* from vancouver\_availability;

select A.property\_type, B.available from listing\_vancouver\_df as A left join vancouver\_availability as B

on A.id = B.id

group by A.property\_type, B.available

------------

select \* from listing\_vancouver\_df;

select property\_type from listing\_vancouver\_df

group by property\_type;

-----51 property type

select room\_type from listing\_vancouver\_df

group by room\_type;

-------------------

select room\_type, count(\*) as bestrooms from listing\_vancouver\_df

group by room\_type;

--------4 room type

------------

select host\_response\_time, count(\*) as total\_count from host\_vancouver\_df

group by host\_response\_time;

select host\_id, room\_type , max(price) as Prices from listing\_vancouver\_df

group by room\_type;

------------

select property\_type,min(price) as min\_prices ,max(price) as max\_prices from listing\_vancouver\_df

group by property\_type;

select \* from host\_vancouver\_df;

select \* from listing\_vancouver\_df;

select \* from review\_vancouver\_df;

select \* from vancouver\_availability;

----

select room\_type,count(\*) as bestroom from listing\_vancouver\_df

group by room\_type;

select count(month,date) , available from vancouver\_availability

where available = 1

select available ,count(\*) as states from vancouver\_availability

group by available;

----

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;

----

select host\_response\_time ,count(\*) total\_count from host\_toronto\_df

group by host\_response\_time;

---2

select date as avg\_date,A.property\_type, B.date from listing\_vancouver\_df as A join vancouver\_availability as B

on A.id = B.id;

---2

select B.date as avg\_date, A.property\_type from listing\_vancouver\_df as A join vancouver\_availability as B

on A.id = B.id

group by property\_type;

select A.host.location, B.property\_type from host\_vancouver\_df as A left join listing\_vancouver\_df as B

on A.host\_id = B.host\_id

group by A.host.location, B.property\_type;

---

select \* from listing\_vancouver\_df;

select \* from review\_vancouver\_df;

---

select id ,review\_scores\_rating,

case

when review\_scores\_rating<= 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 (select reveiw\_scores\_rating, reviewer\_id from listing\_vancouver\_df as A join review\_vancouver\_df as B

on A.id = B.id )A .listing\_vancouver\_df

group by reveiw\_scores\_rating

order by reveiw\_scores\_rating;

-----------------------------------D

---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

-----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) a

-----------------------------------------------

-------------------------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 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;

-----------------------------------------

-----------------------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

----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

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

select count (\*) from(

select H.host\_id, H.host\_response\_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\_response\_rate

having H.host\_response\_rate > 80) AA

------------------------

----------a

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;

-------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;

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;