**SQL Practice Problems: Airbnb I**

**Problem Statement**

The dataset has Airbnb product data where you can find customer searches, host and guest feedbacks. Use the data to answer queries

1.

Airbnb wants to understand if one particular gender generally gives a better rating or not. Hence, write a query to find which gender gives a higher average review score when writing reviews as guests. Use the `from\_type` column to identify guest reviews.

**Expected Output:**Find the gender-wise average review score. The output should be sorted by average score column in descending order

select G.gender, avg(review\_score) as avg\_score

from reviews r

join guest G

on G.guest\_id = r.from\_user

group by 1

order by 2 desc

2.

Find whether hosts or guests (from\_type) give higher review scores based on their average review scores.

**Expected Output:** Guest type , review score columns. The output should be sorted by average review scores in descending order order

select from\_type,

avg(review\_score) as avg\_score

from reviews

group by 1

order by 2 desc

3.

Find the total number of searches for houses (property\_type) in the Westlake neighbourhood with a TV among the amenities.

**Expected Output:**Count of house search in "Westlake neighbourhood" with the given condition.

select count(\*) as n\_searches

from search

 where

 neighbourhood = 'Westlake' and

 property\_type = 'House' and

 amenities Like '%TV%'

4.

In the search table, find the count of searches where 'Wireless Internet' was mentioned in the amenities

**Expected Output:** Count of Ids satisfying the condition

select count(\*) as n\_searches

from search

 where

 amenities Like '%Wireless Internet%'

5.

In how many searches, the results are shown with properties in 'Malibu' neighborhood and 'Villa' as property

**Expected Output:**Search count satifying above condition.

select count(\*)

from search

 where

 property\_type = 'Villa' and

 neighbourhood = 'Malibu'