**AIR-BNB Analysis**

In our case study on Airbnb's Hospitality Intelligence Hub, we have two tables: **'Listings' and ‘Booking\_Details**. The **‘Listings'** table contains information on the various neighborhoods in New York City, including the types of listings available in each neighborhood. The **'Reviews'** table, on the other hand, has information on the prices of these listings, reviews and their availability.

Both the tables, **‘Listings’ and ‘Reviews’** are provided in the form of .csv file.

Description of Listings Table:

* **id:** A unique identifier for each listing.
* **name:** The name of the listing.
* **host\_id:** A unique identifier for the host of the listing.
* **host\_name:** The name of the host.
* **neighbourhood\_group:** The group of neighborhoods that the listing belongs to.
* **neighbourhood:** The name of the neighborhood that the listing belongs to.
* **room\_type:** The type of room that is being listed (e.g. private room, entire apartment).

Now let's take a closer look at the ‘Booking\_Details table description:

* **listing\_id:** A unique identifier for each listing.
* **price:** The nightly price of the listing.
* **minimum\_nights:** The minimum number of nights that a guest must book in order to stay at the listing. • **number\_of\_reviews:** The total number of reviews that the listing has received.
* **reviews\_per\_month:** The average number of reviews that the listing receives per month.
* **calculated\_host\_listings\_count:** The number of listings that the host has on Airbnb.
* **availability\_365:** The number of days that the listing is available for booking throughout the year.

**Queries Written -**

1. Q2 Write a query to show names from Listings table
2. Write a query to fetch total listings from the listings table
3. Write a query to fetch total listing\_id from the booking\_details table
4. Write a query to fetch host ids from listings table
5. Write a query to fetch all unique host name from listings table
6. Write a query to show all unique neighbourhood\_group from listings table
7. Write a query to show all unique neighbourhood from listings table
8. Write a query to fetch unique room\_type from listings tables
9. Write a query to show all values of Brooklyn & Manhattan from listings tables
10. Write a query to show maximum price from booking\_details table
11. Write a query to show minimum price fron booking\_details table
12. Write a query to show average price from booking\_details table
13. Write a query to show minimum value of minimum\_nights from booking\_details table
14. Write a query to show maximum value of minimum\_nights from booking\_details table
15. Write a query to show average availability\_365
16. Write a query to show id , availability\_365 and all availability\_365 values greater than 300
17. Write a query to show count of id where price is in between 300 to 400
18. Write a query to show count of id where minimum\_nights spend is less than 5
19. Write a query to show count where minimum\_nights spend is greater than 100
20. Write a query to show all data of listings & booking\_details
21. Write a query to show host name and price
22. Write a query to show room\_type and price
23. Write a query to show neighbourhood\_group & minimum\_nights spend
24. Write a query to show neighbourhood & availability\_365
25. Write a query to show total price by neighbourhood\_group
26. Write a query to show maximum price by neighbourhood\_group
27. Write a query to show maximum night spend by neighbourhood\_group
28. Write a query to show maximum reviews\_per\_month spend by neighbourhood
29. Write a query to show maximum price by room type
30. Write a query to show average number\_of\_reviews by room\_type
31. Write a query to show average price by room type
32. Write a query to show average night spend by room type
33. Write a query to show average price by room type but average price is less than 100
34. Write a query to show average night by neighbourhood and average\_nights is greater than 5
35. Write a query to show all data from listings where price is greater than 200 using sub-query.
36. Write a query to show all values from booking\_details table where host id is 314941 using sub-query.
37. Find all pairs of id having the same host id, each pair coming once only.
38. Write a sql query to show fetch all records that have the term cozy in name
39. Write a sql query to show price, host id, neighbourhood\_group of manhattan neighbourhood\_group
40. Write a query to show id , host name, neighbourhood and price but only for Upper West Side & Williamsburg neighbourhood, also make sure price is greater than 100
41. Write a query to show id , host name, neighbourhood and price for host name Elise and neighbourhood is Bedford-Stuyvesant
42. Write a query to show host\_name, availability\_365,minimum\_nights only for 100+ availability\_365 and minimum\_nights
43. Write a query to show to fetch id , host\_name , number\_of\_reviews, and reviews\_per\_month but show only that records where number of reviews are 500+ and review per month is 5+
44. Write a query to show neighbourhood\_group which have most total number of review
45. Write a query to show host name which have most cheaper total price
46. Write a query to show host name which have most costly total price
47. Write a query to show host name which have max price using sub-query
48. Write a query to show neighbourhood\_group where price is less than 100
49. Write a query to find max price, average availability\_365 for each room type and order in ascending by maximum price.