```sql
select *
from Airbnb.Airbnbtabla
```

index	id	name	host_id	host_name	neighbou...	neighbourhood	latlongroom_type	price	minimum_nights	number_of_reviews	last_review	rev
0	2539	Clean & quiet apt home by the park	2787	John	Brooklyn	Kensington	40.7 Private room	149	1	9	2018-10-19	0.2
1	2595	Skylit Midtown Castle	2845	Jennifer	Manhattan	Midtown	40.7 Entire home/apt	225	1	43	2019-01-02	0.3
2	3330	++ Brooklyn Penthouse Guestroom ++	4177	Jbee	Brooklyn	Williamsburg	40.7 Private room	70	5	39	2018-12-07	0.3
3	3647	THE VILLAGE OF HARLEM....NEW YORK !	4632	Elisabeth	Manhattan	Harlem	40.7 Private room	150	3	0	NULL	NULL
4	3831	Cozy Entire Floor of Brownstone	4869	LisaRoxa...	Brooklyn	Clinton Hill	40.7 Entire home/apt	89	1	239	2019-03-03	4.4
5	5022	Entire Apt: Spacious Studio/Loft by central park	7192	Laura	Manhattan	East Harlem	40.7 Entire home/apt	80	10	9	2018-11-19	0.1
6	5099	Large Cozy 1 BR Apartment In Midtown East	7322	Chris	Manhattan	Murray Hill	40.7 Entire home/apt	185	2	70	2018-12-02	0.5
7	5121	BlissArtsSpace!	7356	Garon	Brooklyn	Bedford-Stuyvesant	40.7 Private room	60	45	49	2017-10-05	0.4
8	5178	Large Furnished Room Near B'way	8967	Shunichi	Manhattan	Hell's Kitchen	40.7 Private room	79	2	415	2019-02-17	3.4
9	5203	Cozy Clean Guest Room - Family Apt	7490	MaryEllen	Manhattan	Upper West Side	40.7 Private room	79	2	118	2017-07-21	1.0
10	5216	Super Large APT	7510	Tonya	Manhattan	Flatiron District	40.7 Private room	126	26	35	2018-12-31	0.2
11	5238	Cute & Cozy Lower East Side 1 bdrm	7549	Ben	Manhattan	Chinatown	40.7 Entire home/apt	150	1	155	2019-01-30	1.3
12	5295	Beautiful 1br on Upper West Side	7702	Lena	Manhattan	Upper West Side	40.7 Entire home/apt	135	5	45	2019-03-02	0.3
13	5435	Upper West Side-Unique One Bedroom	7987	Carla	Manhattan	Upper West Side	40.7 Entire home/apt	145	7	26	2018-08-31	0.2
14	5441	Central Manhattan/near Broadway	7989	Kate	Manhattan	Hell's Kitchen	40.7 Private room	85	3	173	2019-02-17	1.4
15	5803	Lovely Room 1, Garden, Best Area, Legal rental	9744	Laurie	Brooklyn	South Slope	40.7 Private room	89	4	162	2018-11-17	1.3
16	6021	Wonderful Guest Bedroom in Manhattan for SIN...	11528	Claudio	Manhattan	Upper West Side	40.7 Private room	85	2	100	2018-12-18	0.8
17	6090	West Village Nest - Superhost	11975	Alina	Manhattan	West Village	40.7 Entire home/apt	175	100	27	2018-10-31	0.2
18	6848	Only 2 stops to Manhattan studio	15991	Allen & Irina	Brooklyn	Williamsburg	40.7 Entire home/apt	140	2	127	2019-02-27	1.0
19	6990	UES Beautiful Blue Room / Oak Room	16800	Cyn	Manhattan	East Harlem	40.7 Private room	75	30	229	2018-09-15	2.0
20	7036	Large Guest Room for Broolyn Condo	53179	Ed And Kiko	Brooklyn	Kensington	40.7 Private room	65	3	4	2011-09-20	0.0
21	7097	Perfect for Your Parents + Garden	17571	Jane	Brooklyn	Fort Greene	40.7 Entire home/apt	215	2	182	2019-02-24	1.6
22	7322	Chelsea Perfect	18946	Doti	Manhattan	Chelsea	40.7 Private room	140	1	246	2018-09-09	2.0

```sql
# average price per city
select neighbourhood_group as City, avg(price) as Price
from Airbnb.Airbnbtabla
where price <> 0
group by City
order by Price DESC;
```

City	Price
Manhattan	194.7262
Brooklyn	121.0654
Staten Island	111.9316
Queens	96.5963
Bronx	85.9450

```sql
# average price per room type
select room_type as RoomType, avg(price) as Price
from Airbnb.Airbnbtabla
where price <> 0
group by RoomType
order by Price Desc;
```

RoomType	Price
Entire home/apt	209.0309
Private room	87.8259
Shared room	72.1500

```
# max and min price per city
select neighbourhood_group as City, max(price) as MaximumPrice, min(price) as MinimumPrice
from Airbnb.Airbnbtabla
where price <> 0
group by City
```

City	MaximumPrice	MinimumPrice
Brooklyn	10000	10
Manhattan	10000	10
Queens	10000	10
Staten Island	5000	20
Bronx	2500	10

```
# null values in price
select *
from Airbnb.Airbnbtabla
where price = 0
```

index	id	name	host_id	host_name	neighbou...	neighbourhood	la|c	room_type	price	minimum_nights	number_of_reviews	l
25115	18539719	Beautiful bedroom in BushQueens	75044394	Jamie	Queens	Ridgewood	4|-5	Private room	0	1	3	2
25436	18750597	Huge Brooklyn Brownstone Living, Close to it all.	8993084	Kimberly	Brooklyn	Bedford-Stuyvesant	4|-5	Private room	0	4	1	2
27951	20277286	Cosy and very central room in Chinatown/Nolita!	3742692	Elif	Manhattan	Chinatown	4|-5	Private room	0	3	3	2
28034	20326257	Studio in the Heart of the East Village	10947591	Laura	Manhattan	East Village	4|-5	Entire home/apt	0	3	12	2
28055	20333471	★Hostel Style Room l Ideal Traveling Buddies★	131697576	Anisha	Bronx	East Morrisania	4|-5	Private room	0	2	42	2
28291	20523843	MARTIAL LOFT 3: REDEMPTION (upstairs, 2n...	15787004	Martial Loft	Brooklyn	Bushwick	4|-5	Private room	0	2	11	2
28441	20608117	Sunny, Quiet Room in Greenpoint	1641537	Lauren	Brooklyn	Greenpoint	4|-5	Private room	0	2	12	2
28470	20624541	Modern apartment in the heart of Williamsburg	10132166	Aymeric	Brooklyn	Williamsburg	4|-5	Entire home/apt	0	5	3	2
28490	20639628	Spacious comfortable master bedroom with nice...	86327101	Adeyemi	Brooklyn	Bedford-Stuyvesant	4|-5	Private room	0	1	80	2
28491	20639792	Contemporary bedroom in brownstone with nice...	86327101	Adeyemi	Brooklyn	Bedford-Stuyvesant	4|-5	Private room	0	1	78	2
28492	20639914	Cozy yet spacious private brownstone bedroom	86327101	Adeyemi	Brooklyn	Bedford-Stuyvesant	4|-5	Private room	0	1	77	2
28662	20728112	Beautiful bedroom w/private garden in Brooklyn	128605205	Tom	Brooklyn	Bedford-Stuyvesant	4|-5	Private room	0	2	8	2
29020	20933849	the best you can find	13709292	Qiuchi	Manhattan	Murray Hill	4|-5	Entire home/apt	0	3	0	[
29384	21138538	Lavish 2 BR minutes from Central Park!	149977050	Ivan	Manhattan	Upper West Side	4|-5	Entire home/apt	0	2	23	2

```
#number of airbnbs per city
select neighbourhood_group, count(neighbourhood_group) as NumberofAirbnbs
from Airbnb.Airbnbtabla
group by neighbourhood_group
order by NumberofAirbnbs desc
```

neighbourhood_group	NumberofAirbnbs
Manhattan	22559
Brooklyn	20312
Queens	5525
Bronx	1001
Staten Island	351

```
# price per city per year > 100 dlls
select YEAR(last_review) as Year1 ,neighbourhood_group as City, avg(price) as Price
from Airbnb.Airbnbtabla
where last_review between '2014-01-01' and '2019-12-31'
group by Year1, neighbourhood_group
having avg(price) > 100
order by Year1
```

Year1	City	Price
2014	Brooklyn	139.0505
2014	Manhattan	202.0515
2015	Brooklyn	125.3568
2015	Manhattan	186.8682
2015	Staten Island	336.6000
2016	Brooklyn	124.5297
2016	Manhattan	172.8686
2016	Queens	163.4477
2017	Brooklyn	120.1124
2017	Manhattan	159.7333
2018	Brooklyn	117.9160
2018	Manhattan	174.0571
2019	Brooklyn	119.0138
2019	Manhattan	186.7620

```
#number of roomtypes per city
select neighbourhood_group as City, room_type, count(neighbourhood_group) as NumberofAirbnbs
from Airbnb.Airbnbtabla
group by City, room_type
order by City
```

City	room_type	NumberofAirbnbs
Bronx	Entire home/apt	339
Bronx	Private room	616
Bronx	Shared room	46
Brooklyn	Entire home/apt	9568
Brooklyn	Private room	10346
Brooklyn	Shared room	398
Manhattan	Entire home/apt	13985
Manhattan	Private room	8106
Manhattan	Shared room	468
Queens	Entire home/apt	2008
Queens	Private room	3322
Queens	Shared room	195
Staten Island	Entire home/apt	161
Staten Island	Private room	188
Staten Island	Shared room	2

```
# average price per minimum night per city
select minimum_nights, neighbourhood_group as City, avg(price) as Price
from Airbnb.Airbnbtabla
group by neighbourhood_group, minimum_nights
order by minimum_nights
```

minimum_nights	City	Price
1	Brooklyn	115.7473
1	Manhattan	185.0278
1	Bronx	84.8222
1	Queens	87.7773
1	Staten Island	132.8696
2	Manhattan	191.1851
2	Brooklyn	121.3014
2	Queens	104.9764
2	Staten Island	87.4037
2	Bronx	97.7057
3	Manhattan	206.1493
3	Brooklyn	130.9467
3	Queens	107.2459
3	Bronx	75.6275
3	Staten Island	118.3784
4	Brooklyn	128.8660
4	Manhattan	198.1358

```
# average availability per city
select neighbourhood_group as City, avg(availability_365) as Availability_per_Year
from Airbnb.Airbnbtabla
group by  City
```

City	Availability_per_Year
Brooklyn	104.9618
Manhattan	117.7593
Queens	153.1562
Staten Island	218.1823
Bronx	173.5385

```
# Number of Properties per host
select distinct host_id as Host, count(host_id) as Number_of_Properties
from Airbnb.Airbnbtabla
group by host_id
```

Host	Number_of_Properties
2787	6
2845	2
4177	3
4632	1
4869	1
7192	1
7322	1
7356	1
8967	1
7490	1
7510	5
7549	4
7702	1
7987	1
7989	1
9744	3
11528	1

```
# number of airbnbs per city per month through years
select month(last_review) as Month, Year(last_review) as Year,neighbourhood_group as City, count(neighbourhood_group) as Number_of_Airbnbs
from Airbnb.Airbnbtabla
group by City, Year, Month
order by Month, Year
```

Month	Year	City	Number_of_Airbnbs
1	2012	Manhattan	1
1	2012	Brooklyn	1
1	2013	Brooklyn	3
1	2013	Manhattan	2
1	2014	Manhattan	4
1	2014	Brooklyn	8
1	2015	Manhattan	29
1	2015	Brooklyn	25
1	2015	Bronx	1
1	2015	Queens	1
1	2016	Manhattan	192
1	2016	Brooklyn	153
1	2016	Queens	22
1	2016	Bronx	1
1	2017	Brooklyn	159
1	2017	Manhattan	193
1	2017	Queens	28
1	2017	Bronx	5
1	2017	Staten Island	1
1	2018	Queens	64
1	2018	Manhattan	299
1	2018	Brooklyn	286
1	2018	Staten Island	3
1	2018	Bronx	11
1	2019	Manhattan	2621
1	2019	Brooklyn	2868