

```
use seattle_airbnb;
```

```
CREATE TABLE listings (  
    host_id BIGINT,  
    host_name VARCHAR(255),  
    neighbourhood_group VARCHAR(255),  
    neighbourhood VARCHAR(255),  
    latitude DOUBLE,  
    longitude DOUBLE,  
    room_type VARCHAR(255),  
    price DOUBLE,  
    minimum_nights INT,  
    number_of_reviews INT,  
    last_review DATE,  
    reviews_per_month DOUBLE,  
    calculated_host_listings_count INT,  
    availability_365 INT,  
    number_of_reviews_ltm INT  
);
```

```
LOAD DATA INFILE 'Add you file path here'
```

```
INTO TABLE listings  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
LINES TERMINATED BY '\n'  
IGNORE 1 ROWS;
```

```
/*start of the project*/
```

```
/*Total Listings*/  
SELECT COUNT(*) AS Total_listings FROM listings;
```

```
/*Average Price*/  
SELECT AVG(price) AS Average_price FROM listings;
```

```
/*Most Booked Neighbourhood*/  
select neighbourhood as Famous_location,  
sum(number_of_reviews) as Total_reviews  
from listings  
group by neighbourhood  
order by Total_reviews desc  
limit 1;
```

```
/*Top Host by Listing Count*/  
select host_name as Top_host,  
count(*) as Total_listing  
from listings  
group by host_name  
order by Total_listing desc
```

```

limit 1;

/*Total Reviews Last month*/
select sum(number_of_reviews_ltm) as Total_reviews
from listings;

/*Start of visuals*/

/*Listings by room type*/
select room_type , count(*) as room_count
from listings
group by room_type
order by room_count desc;

/*price distribution of room type*/
select room_type,
round(avg(price),2) as Avg_price
from listings
group by room_type
order by Avg_price desc;

/*Neighbourhood wise Availability*/
select neighbourhood as neigh_type,
round(avg(availability_365),2) as Avg_availability
from listings
group by neigh_type
order by Avg_availability desc
limit 10;

/*Trends of reviews per month*/
select
date_format(last_review , '%Y-%m') as review_month,
round(avg(reviews_per_month),2) as Monthly_reviews
from listings
where last_review is not null
group by review_month
order by review_month;

/*Average price of neighbourhood group*/
select neighbourhood_group as neigh_grp,
round(avg(price),2) as Average_price
from listings
group by neigh_grp
order by Average_price desc;

```