```sql
select min(date) as start_date,max(date) as end_date
from airbnb_calendar
```

	start_date	end_date
1	2016-09-06	2017-09-05

2.

```sql
create table if not exists Duplicate as
select *, row_number() over(partition by listing_id,date,available,price) as rk
from airbnb_calendar ;

select count(distinct listing_id) as Duplicate_properties
from duplicate
where rk>1;

Delete from Duplicate where rk>1
```

	Duplicate_properties
1	1

```
Execution finished without errors.
Result: query executed successfully. Took 185ms, 365 rows affected
At line 9:
Delete from Duplicate where rk>1
```

3.

```
create table if not exists properties as
select listing_id,count(case when available = 't'then listing_id end) as available_days,
       count(case when available = 'f'then listing_id end) as unavailable_days,
       round(count(case when available = 't'then listing_id end)/cast(count(*) as real),2) as available_fraction
from duplicate
group by listing_id;

select * from properties
```

	listing_id	available_days	unavailable_days	available_fraction
1	3353	249	116	0.68
2	5506	344	21	0.94
3	6695	324	41	0.89
4	6976	319	46	0.87
5	8792	248	117	0.68
6	9273	364	1	1.0

4.

```
select count(case when available_fraction>0.5 then listing_id end) as greaterthan50,
       count(case when available_fraction>0.75 then listing_id end) as greaterthan75
from properties
where available_fraction > 0.5;
```

	greaterthan50	greaterthan75
1	1726	1419

5.

```
update Duplicate
set price = '$0.00'
where price is NULL

create table if not exists prices as
select listing_id,'$'||max(cost)as max_price,'$'||min(cost) as min_price,'$'||round(avg(cost),2) as avg_price from(
select *,substr(price,2) cost
from Duplicate)
group by listing_id

select * from prices
```

	listing_id	max_price	min_price	avg_price
1	3353	$36.00	$0.00	$24.02
2	5506	$275.00	$0.00	$138.79
3	6695	$325.00	$0.00	$175.23
4	6976	$65.00	$0.00	$56.81
5	8792	$154.00	$0.00	$104.64
6	9273	$225.00	$0.00	$224.38

6.

```
1  select *
2  from prices
3  where cast(substr(avg_price,2) as real) > 500
4
5
```

	listing_id	max_price	min_price	avg_price
1	50032	$725.00	$0.00	$653.49
2	743211	$625.00	$0.00	$521.58
3	1214214	$700.00	$0.00	$520.0
4	1810397	$800.00	$0.00	$732.05
5	2277821	$895.00	$0.00	$573.66
6	2881388	$995.00	$0.00	$601.32

```
Execution finished without errors.
Result: 27 rows returned in 11ms
```