1. Get the businesses in Providence, RI. Results should be sorted by review counts in descending order. Return top 7 businesses.

```
select business.id, business.name, business.full_address, business.review_count, business.photo_url, business.stars from business where city = 'Providence' and state = 'RI' order by review_count desc LIMIT 7
```

2. Get the businesses from 1 but are still open. Return top 7 businesses.

```
select business.id, business.name, business.full_address, business.review_count, business.photo_url, business.stars from business where business.open = 1 and city = 'Providence' and state = 'RI' order by review_count desc LIMIT 7
```

2. Get the reviews for a particular business, given the business ID. Results should be sorted by the review's useful vote counts in descending order. Return top 7 reviews.

```
select review.user_id, user.name, review.stars, review.text from user natural join review as a where business.id = ? and review.user_id = user.id order by useful_votes desc LIMIT 7
```

3. Get the businesses in Providence, RI that have the highest percentage of five star reviews, and have been reviewed at least 20 times. Results should be ordered by the percentage in descending order. Return top 7 businesses.

4. Look up business by name/tag

select business.name, business.neighborhood, business.full_address, business.city, business.state, business.review_count, business.photo_url, business.stars, business.is_open, from business where business.name = ? order by review_count desc LIMIT 7

5. Look up distance to a business by name/tag(manhattan distance)

SELECT name, latitude, longitude, location FROM (
SELECT business.name, business.latitude, business.longitude, abs(business.latitude-100) +
abs(business.longitude-(-118)) AS location
FROM business
) AS x
WHERE location > -40
order by location asc
limit 20