

LEARN SQL

New York Restaurants

We have put together a table of restaurants called `nomnom` and we need your help to answer some questions. Use the SQL commands you just learned and find the best dinner spots in the city. The schema of this table is available [here](#).

Let's begin!

Write the following queries:

1. Start by getting a feel for the `nomnom` table:

```
SELECT *  
FROM nomnom;
```

What are the column names?

2. What are the distinct `neighborhoods`?

```
SELECT DISTINCT (neighborhood)  
FROM nomnom;
```

3. What are the distinct `cuisine` types?

```
SELECT DISTINCT (cuisine)  
FROM nomnom;
```

4. Suppose we would like some `Chinese` takeout. What are our options?

```
SELECT *  
FROM nomnom  
WHERE cuisine = "Chinese";
```

5. Return all the restaurants with `reviews` of 4 and above.

```
SELECT *  
FROM nomnom  
WHERE review >= 4;
```

6. Suppose Abbi and Ilana want to have a fancy dinner date. Return all the restaurants that are `Italian` and `$$$`.

```
SELECT *
FROM nomnom
WHERE cuisine = 'Italian'
AND price = '$$$';
```

7. Your coworker Trey can't remember the exact name of a restaurant he went to but he knows it *contains* the word 'meatball' in it. Can you find it for him using a query?

```
SELECT *
FROM nomnom
WHERE name LIKE '%meatball%';
```

8. Let's order delivery to the house! Find all the close by spots in Midtown, Downtown or Chinatown. (OR can be used more than once)

```
SELECT *
FROM nomnom
WHERE neighborhood = 'Midtown'
OR neighborhood = 'Downtown'
OR neighborhood = 'Chinatown';
```

9. Find all the health grade pending restaurants (empty values).

```
SELECT *
FROM nomnom
WHERE health IS NULL;
```

10. Create a Top 10 Restaurants Ranking based on reviews.

```
SELECT *
FROM nomnom
ORDER BY review DESC
LIMIT 10;
```

11. Use a CASE statement to change the rating system to:

- review > 4.5 is Extraordinary
- review > 4 is Excellent
- review > 3 is Good
- review > 2 is Fair
- Everything else is Poor

Don't forget to rename the new column!

```
SELECT name,  
CASE  
WHEN review > 4.5 THEN 'Extraordinary'  
WHEN review > 4 THEN 'Excellent'  
WHEN review > 3 THEN 'Good'  
WHEN review > 2 THEN 'Fair'  
ELSE 'Poor'  
END AS 'Review Grade'  
FROM nomnom;
```