**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](https://s3.amazonaws.com/codecademy-content/courses/sql-intensive/nomnom.png).

Let’s begin!

If you get stuck during this project or would like to see an experienced developer work through it, click “**Get Help**“ to see a **project walkthrough video**.

**Tasks**

**0/12Complete**

Mark the tasks as complete by checking them off

**Write the following queries:**

**1.**

Start by getting a feel for the nomnom table:

SELECT \*

FROM nomnom;

What are the column names?

Hint

The column names are:

* name
* neighborhood
* cuisine
* review
* price
* health

**2.**

What are the distinct neighborhoods?

Hint

SELECT DISTINCT neighborhood

FROM nomnom;

The neighborhoods are:

* Brooklyn
* Midtown
* Chinatown
* Uptown
* Queens
* Downtown

**3.**

What are the distinct cuisine types?

Hint

SELECT DISTINCT cuisine

FROM nomnom;

The cuisine types are:

* Steak
* Korean
* Chinese
* Pizza
* Ethiopian
* Vegetarian
* Italian
* Japanese
* American
* Mediterranean
* Indian
* Soul Food
* Mexican

**4.**

Suppose we would like some Chinese takeout.

What are our options?

Hint

SELECT \*

FROM nomnom

WHERE cuisine = 'Chinese';

Yum!

**5.**

Return all the restaurants with reviews of 4 and above.

Hint

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 $$$.

Hint

If you want to find Italian restaurants with *exactly* three dollar signs:

SELECT \*

FROM nomnom

WHERE cuisine = 'Italian'

AND price = '$$$';

If you want to find Italian restaurants with *at least* three dollar signs:

SELECT \*

FROM nomnom

WHERE cuisine = 'Italian'

AND price LIKE '%$$$%';

**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?

Hint

% is a wildcard character that matches zero or more missing letters in the pattern.

To find the restaurant names that contain the word ‘meatball’:

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)

Hint

We can use the OR operators to combine these conditions:

SELECT \*

FROM nomnom

WHERE neighborhood = 'Midtown'

OR neighborhood = 'Downtown'

OR neighborhood = 'Chinatown';

Here, we have three conditions:

* neighborhood = 'Midtown'
* neighborhood = 'Downtown'
* neighborhood = 'Chinatown'

**9.**

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

Hint

Empty values are indicated by NULL.

SELECT \*

FROM nomnom

WHERE health IS NULL;

**10.**

Create a Top 10 Restaurants Ranking based on reviews.

Hint

Using ORDER BY and the DESC keyword, we can sort the restaurants by ratings from highest to lowest:

SELECT \*

FROM nomnom

ORDER BY review DESC;

Then, include a LIMIT to cap it at 10:

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!

Hint

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'

FROM nomnom;

Here, the column is renamed to ‘Review’ using AS.

**12.**

If you are stuck on the project or would like to see an experienced developer work through the project, watch the project walkthrough video in the “**Get Help**“ section!