

CREATE A TABLE

```
CREATE TABLE restaurants (
    id serial PRIMARY KEY,
    name text NOT NULL,
    nyc_re sta ura nt_id integer,
    borough boroug h_o ptions,
    cuisine text,
    add res s_b uil din g_n umber text,
    add res s_s treet text,
    add res s_z ipcode text
);
```

INSERT A ROW

```
INSERT INTO restaurants
    (name, borough, cuisine, addres s_b uil din g_n umber, addres s_s treet, addres s_z ipcode)
VALUES
    ('P rince Taco', 'Queens', 'Mexican', '620', 'Astoria Boulev ard', '11372');
```

ENUMERATIONS

```
CREATE TYPE mood AS ENUM ('sad', 'ok', 'happy');
CREATE TABLE person (
    name text,
    cur ren t_mood mood
);
INSERT INTO person VALUES ('Moe', 'happy');
INSERT INTO person VALUES ('Larry', 'sad');
INSERT INTO person VALUES ('Curly', 'ok');
```

```
SELECT * FROM person WHERE curren t_mood = 'happy';
```

name | current_mood

-----+-----

Moe | happy

```
SELECT * FROM person WHERE curren t_mood > 'sad';
```

name | current_mood

-----+-----

Moe | happy

Curly | ok

EXAMPLE QUERYING

```
SELECT * from restaurants;
SELECT id, name, borough, cuisine
FROM restau rants;
SELECT DISTINCT borough
FROM restau rants;
SELECT id, name, borough, cuisine
FROM restau rants
WHERE id='225';
SELECT name, borough, cuisine FROM restau rants
WHERE borough = 'Brooklyn'
AND cuisine = 'Italian';
SELECT name, borough, cuisine FROM restau rants
WHERE borough = 'Brooklyn'
AND cuisine in ('Ital ian', 'Chine se');
```



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UPDATING

```
UPDATE restaurants
  SET name = 'Famous Original Ray''s Pizza'
  WHERE id = 5269;

UPDATE restau rants
  SET cuisine = 'Veget arian'
  WHERE cuisine = 'Pizza';
```

ORDERING AND LIMITING RESULTS

```
SELECT id, name from restaurants
WHERE borough = 'Bronx'
AND cuisine = 'Japanese'
ORDER BY name DESC;

SELECT id, name
FROM restau rants
ORDER BY name DESC;
LIMIT 3;
```

AGGREGATE: COUNT, MAX, MIN, & AVG

```
SELECT count(*) FROM grades;
SELECT max(score) FROM grades;
SELECT min(score) FROM grades;
SELECT avg(score) FROM grades;
```

DELETING

```
DELETE FROM restaurants WHERE id = 225;
DELETE FROM grades WHERE grade = 'Z';
DELETE FROM grades; -- BEWARE: DELETES ALL ROWS IN GRADES!
```

DROP A TABLE

```
DROP TABLE restaurants;
```

