### Колонки и строки

SELECT \*
FROM band

SELECT band\_id, name FROM band WHERE band\_id = 93

## Подзапросы

SELECT \*
FROM band
WHERE
band\_id IN (SELECT id
FROM list1
)

```
SELECT *
FROM

(SELECT band_id, name
FROM band
WHERE year >= 1980
) as p

WHERE
p.band_id between 10 and 20
```

# Соединение таблиц

SELECT a.album\_id, a.name,
a.band\_id, b.name as band\_name
FROM album as a
INNER JOIN band as b
ON a.band\_id = b.band\_id

SELECT a.album\_id, a.name,
a.band\_id, b.name as band\_name
FROM album as a

LEFT OUTER JOIN band as b
ON a.band\_id = b.band\_id

#### Агрегация

SELECT COUNT(\*)
FROM album

SELECT year,

COUNT(\*)

FROM album

WHERE band\_id > 0

GROUP BY year

HAVING COUNT(\*)>2

ORDER BY 1

# union, except, intersect

SELECT \*
FROM album
UNION ALL
SELECT \*
FROM album\_archive

#### Значения NULL

SELECT id, name, parent\_id FROM music\_instrument WHERE parent\_id IS NULL

#### **DISTINCT**

SELECT DISTINCT year FROM album

SELECT COUNT(DISTINCT year)
FROM album

### insert, update, delete

INSERT INTO band (band\_id, name, year, comment) VALUES (303, 'The Beatles', 1957, '');

INSERT INTO band (band\_id, name, year) SELECT ...

FROM another\_table;

**UPDATE** band

SET comment = 'Rock band'

WHERE name = 'Metallica'

UPDATE band as t

**SET** name = t2.name

FROM band\_old as t2

WHERE t.band\_id = t2.band\_id

DELETE

FROM band

WHERE name = 'Metallica'