

Раздел 10

INSERT, UPDATE, DELETE

Видеокурс: <https://stepik.org/a/130488>

INSERT VALUES

```
CREATE TABLE band (
    band_id      INTEGER,
    name         VARCHAR,
    year         SMALLINT,
    comment      VARCHAR
);
```

band

band_id	name	year	comment
303	The Beatles	1957	
93	Metallica	1981	
192	Queen	1970	UK rock group

```
INSERT INTO band (band_id, name, year, comment)
    VALUES (303, 'The Beatles', 1957, '');
INSERT INTO band (band_id, name, year, comment)
    VALUES (93, 'Metallica', 1981, '');
INSERT INTO band (band_id, name, year, comment)
    VALUES (192, 'Queen', 1970, 'UK rock group');
```

INSERT VALUES

band

```
INSERT INTO band (band_id, name, year, comment)  
VALUES (303, 'The Beatles', 1957, "");
```

```
INSERT INTO band (band_id, name, year)  
VALUES (303, 'The Beatles', 1957);
```

```
INSERT INTO band  
VALUES (303, 'The Beatles', 1957, "");
```

band_id	name	year	comment
303	The Beatles	1957	
93	Metallica	1981	
192	Queen	1970	UK rock group

Различные способы

```
INSERT INTO band (band_id, name, year, comment)  
          VALUES (303, 'The Beatles', 1957, "");
```

```
INSERT INTO band (band_id, name, year)  
          SELECT ...  
                  FROM another_table;
```

```
COPY band FROM '/tmp/band';
```

```
CREATE TABLE band AS  
          SELECT ...  
                  FROM another_table;
```

UPDATE

band

band_id	name	year	comment
303	The Beatles	1957	
93	Metallica	1981	
192	Queen	1970	UK rock group

UPDATE band

SET comment = 'Rock band'

WHERE name = 'Metallica'

;

band

band_id	name	year	comment
303	The Beatles	1957	
93	Metallica	1981	Rock band
192	Queen	1970	UK rock group

UPDATE - ОСТОРОЖНО

band

band_id	name	year	comment
303	The Beatles	1957	
93	Metallica	1981	Rock band
192	Queen	1970	UK rock group

UPDATE band
SET name = ''
;

band

band_id	name	year	comment
303		1957	
93		1981	Rock band
192		1970	UK rock group

UPDATE FROM

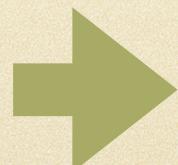
band

band_id	name	year	comment
303		1957	
93		1981	
192		1970	UK rock group

```
UPDATE band AS t
    SET name = t2.name
    FROM band_old AS t2
    WHERE t.band_id = t2.band_id
;
```

band_old

band_id	name	year	comment
303	The Beatles	1957	
93	Metallica	1981	
192	Queen	1970	UK rock group



band

band_id	name	year	comment
303	The Beatles	1957	
93	Metallica	1981	
192	Queen	1970	UK rock group

DELETE

band

band_id	name	year	comment
303	The Beatles	1957	
93	Metallica	1981	
192	Queen	1970	UK rock group

DELETE

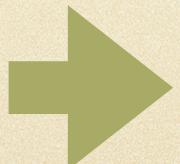
FROM band

WHERE name = 'Metallica'

;

band

band_id	name	year	comment
303	The Beatles	1957	
192	Queen	1970	UK rock group



DELETE

```
SELECT COUNT(*)  
    FROM band  
 WHERE name = 'Metallica'  
;
```



```
DELETE  
    FROM band  
 WHERE name = 'Metallica'  
;
```