BCTABKA И ИЗМЕНЕНИЕ ДАННЫХ В SQL

СОЗДАНИЕ ТАБЛИЦ B SQL

```
CREATE TABLE superheroes (
    id SERIAL PRIMARY KEY,
    name VARCHAR (100),
    align VARCHAR(30),
    eye VARCHAR(30),
    hair VARCHAR(30),
    gender VARCHAR(30),
    appearances INT,
    year INT,
    universe VARCHAR(10)
```

```
INSERT INTO superheroes(name, appearances, universe)
VALUES ('Spider-Man', 4043, 'marvel')
```

id	name	align	eye	hair	gender	appearances	year	universe
1	Spider-Man					4043		marvel

```
INSERT INTO superheroes(name, align, eye, hair,
    gender, appearances, year, universe)
VALUES ('Spider-Man (Peter Parker)', 'Good
    Characters', 'Hazel Eyes', 'Brown Hair',
    'Male Characters', 4043, 1962, 'marvel')
```

ı	id	name	align	eye	hair	gender	appearances	year	universe
	1	Spider-Man (Peter Parker)	Good Characters	Hazel Eyes	Brown Hair	Male Characters	4043	1962	marvel

```
INSERT INTO superheroes(id, name, align, eye, hair,
    gender, appearances, year, universe)
VALUES (1, 'Spider-Man (Peter Parker)', 'Good
    Characters', 'Hazel Eyes', 'Brown Hair',
    'Male Characters', 4043, 1962, 'marvel')
```

ИЗМЕНЕНИЕ ДАННЫХ В ТАБЛИЦЕ

```
UPDATE superheroes
SET name='Batman',
    universe='dc'
WHERE id=1
```

id	name	align	eye	hair	gender	appearances	year	universe
1	Batman	Good Characters	Hazel Eyes	Brown Hair	Male Characters	4043	1962	dc

ИЗМЕНЕНИЕ ДАННЫХ В ТАБЛИЦЕ

```
UPDATE superheroes
SET gender='Man',
WHERE gender='Male Characters'
```

id	name	align	eye	hair	gender	appearances	year	universe
1	Spider-Man (Peter Parker)	Good Characters	Hazel Eyes	Brown Hair	Man	4043	1962	marvel
2	Captain America (Steven Rogers)	Good Characters	Blue Eyes	White Hair	Man	3360	1941	marvel
4854	Batman (Bruce Wayne)	Good Characters	Blue Eyes	Black Hair	Man	3093	1939	dc
3	Wolverine (James \"Logan\" Howlett)	Neutral Characters	Blue Eyes	Black Hair	Man	3061	1974	marvel
4	Iron Man (Anthony \"Tony\" Stark)	Good Characters	Blue Eyes	Black Hair	Man	2961	1963	marvel
4855	Superman (Clark Kent)	Good Characters	Blue Eyes	Black Hair	Man	2496	1986	dc
5	Thor (Thor Odinson)	Good Characters	Blue Eyes	Blond Hair	Man	2258	1950	marvel
6	Benjamin Grimm (Earth-616)	Good Characters	Blue Eyes	No Hair	Man	2255	1961	marvel
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УДАЛЕНИЕ ДАННЫХ ИЗ ТАБЛИЦЫ

DELETE FROM superheroes WHERE id=2

id	name	align	eye	hair	gender	appearances	year	universe
1	Spider-Man (Peter Parker)	Good Characters	Hazel Eyes	Brown Hair	Man	4043	1962	marvel
2	Captain America (Steven Rogers)	Good Characters	Blue Eyes	White Hair	Man	3360	1941	marvel
4854	Batman (Bruce Wayne)	Good Characters	Blue Eyes	Black Hair	Man	3093	1939	dc
3	Wolverine (James \"Logan\" Howlett)	Neutral Characters	Blue Eyes	Black Hair	Man	3061	1974	marvel
4	Iron Man (Anthony \"Tony\" Stark)	Good Characters	Blue Eyes	Black Hair	Man	2961	1963	marvel
4855	Superman (Clark Kent)	Good Characters	Blue Eyes	Black Hair	Man	2496	1986	dc
5	Thor (Thor Odinson)	Good Characters	Blue Eyes	Blond Hair	Man	2258	1950	marvel
6	Benjamin Grimm (Earth-616)	Good Characters	Blue Eyes	No Hair	Man	2255	1961	marvel
			•••					

УДАЛЕНИЕ ДАННЫХ ИЗ ТАБЛИЦЫ

DELETE FROM superheroes
WHERE gender='Male Characters'

УДАЛЕНИЕ ВСЕХ ДАННЫХ

DELETE FROM superheroes

ПЕРВИЧНЫЙ КЛЮЧ

id	name	align	eye	hair	gender	appearances	year	universe
1	Spider-Man (Peter Parker)	Good Characters	Hazel Eyes	Brown Hair	Man	4043	1962	marvel
2	Captain America (Steven Rogers)	Good Characters	Blue Eyes	White Hair	Man	3360	1941	marvel
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ПЕРВИЧНЫЙ КЛЮЧ

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ИТОГИ

- Вставка данных в таблицы Оператор INSERT
- Оператор UPDATE
- Удаление данных из таблиц
 Оператор DELETE
- Особенности

Один оператор может менять несколько строк данных Фильтры в WHERE такие же, как в SELECT Первичный ключ позволяет однозначно идентифицировать строки