

Мелехин Александр Кс-30 Вариант 9 Лабораторная работа 1

Создание таблиц

```
CREATE TABLE salers (  
    saler_id INT NOT NULL GENERATED ALWAYS AS IDENTITY  
PRIMARY KEY,  
    saler_name VARCHAR(100) NOT NULL,  
    saler_sex VARCHAR(100) NOT NULL,  
    saler_age INT NOT NULL  
);
```

```
CREATE TABLE brands (  
    brand_id INT NOT NULL GENERATED ALWAYS AS IDENTITY  
PRIMARY KEY,  
    brand_name VARCHAR(100) NOT NULL  
);
```

```
CREATE TABLE sales (  
    sale_id INT NOT NULL GENERATED ALWAYS AS IDENTITY  
PRIMARY KEY,  
    sale_date DATE NOT NULL,  
    brand INT,  
    price DECIMAL NOT NULL,  
    sale_count INT NOT NULL,  
    saler INT,  
    CONSTRAINT fk_brands_sales FOREIGN KEY (brand) REFERENCES  
brands (brand_id),  
    CONSTRAINT fk_salers_sales FOREIGN KEY (saler) REFERENCES  
salers (saler_id)  
);
```

Заполнение данных

Таблица brands

INSERT INTO public.brands(brand_name) VALUES ('Самсунг');

INSERT INTO public.brands(brand_name) VALUES ('Леново');

INSERT INTO public.brands(brand_name) VALUES ('Сони');

Таблица salers

INSERT INTO public.salers(saler_name, saler_sex, saler_age) VALUES ('Иванов', 'Мужской', '20');

INSERT INTO public.salers(saler_name, saler_sex, saler_age) VALUES ('Петрова', 'Женский', '19');

INSERT INTO public.salers(saler_name, saler_sex, saler_age) VALUES ('Сидорова', 'Женский', '21');

Таблица sales

INSERT INTO public.sales(sale_date, brand, price, sale_count, saler) VALUES ('3.1.2005', 1, 12000, 5, 1);

INSERT INTO public.sales(sale_date, brand, price, sale_count, saler) VALUES ('15.1.2005', 2, 8000, 4, 2);

INSERT INTO public.sales(sale_date, brand, price, sale_count, saler) VALUES ('2.2.2005', 1, 25000, 3, 3);

INSERT INTO public.sales(sale_date, brand, price, sale_count, saler) VALUES ('2.3.2005', 1, 10000, 5, 1);

INSERT INTO public.sales(sale_date, brand, price, sale_count, saler) VALUES ('14.2.2005', 3, 11000, 3, 3);

INSERT INTO public.sales(sale_date, brand, price, sale_count, saler) VALUES ('4.4.2005', 1, 19000, 4, 2);

Результат

Таблица brands

	brand_id [PK] integer	brand_name character varying (100)
1	1	Самсунг
2	2	Леново
3	3	Сони

Таблица salers

	saler_id [PK] integer	saler_name character varying (100)	saler_sex character varying (100)	saler_age integer
1	1	Иванов	Мужской	20
2	2	Петрова	Женский	19
3	3	Сидорова	Женский	21

Таблица sales

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	sale_id [PK] integer	sale_date date	brand integer	price numeric	sale_count integer	saler integer	
1	1	2005-01-03	1	12000	5	1	
2	2	2005-01-15	2	8000	4	2	
3	3	2005-02-02	1	25000	3	3	
4	5	2005-02-14	3	11000	3	3	
5	6	2005-04-04	1	19000	4	2	
6	4	2005-03-02	2	10000	5	1	