Мамонов Антон ЗИСиП-19-1

Создаем базу данных, при этом нужно учесть объектно-реляционных связи, ограничения в таблицах, массивы, последовательности.

CREATE SEQUENCE day_5	CREATE TABLE IF NOT EXISTS brands (CREATE TABLE IF NOT EXISTS clients (
INCREMENT 5	idbrands INT NOT NULL,	idclient INT NOT NULL.
MINVALUE 0	name brand VARCHAR(45) NULL,	FIO VARCHAR(45) NULL,
MAXVALUE 100	PRIMARY KEY (idbrands));	pasport VARCHAR(10) NULL,
START 10		adress VARCHAR(45) NULL,
CYCLE;		tel VARCHAR(10) NULL,
,		PRIMARY KEY (idclient));
CREATE TABLE IF NOT EXISTS	CREATE TABLE IF NOT EXISTS cassettes (CREATE TABLE IF NOT EXISTS
films_on_scassettes (idcassette INT NOT NULL DEFAULT	clients_has_cassettes (
cassettes_idcassette INT NOT NULL,	nextval(day_5),	order_id INT NULL PRIMARY KEY,
films_idfilms INT NOT NULL,	describtion TEXT NULL,	clients_idclient INT NOT NULL,
PRIMARY KEY (cassettes_idcassette,	sticker TEXT NULL,	cassettes_idcassette INT NOT NULL,
films_idfilms),	brands_idbrands INT NOT NULL,	date_out DATE NULL,
FOREIGN KEY (cassettes_idcassette)	price_1_day INT NULL,	date_in DATE NULL,
REFERENCES cassettes (idcassette)	price_3_day INT NULL,	total_price INT NULL,
ON DELETE NO ACTION	price_1_week INT NULL,	FOREIGN KEY (clients_idclient)
ON UPDATE NO ACTION,	available INT NULL,	REFERENCES clients (idclient)
FOREIGN KEY (films_idfilms)	total_recording_duration(min) INT NULL,	ON DELETE NO ACTION
REFERENCES films (idfilms)	PRIMARY KEY (idcassette),	ON UPDATE NO ACTION,
ON DELETE NO ACTION	FOREIGN KEY (brands_idbrands)	FOREIGN KEY (cassettes_idcassette)
ON UPDATE NO ACTION);	REFERENCES brands (idbrands)	REFERENCES cassettes (idcassette)
	ON DELETE NO ACTION	ON DELETE NO ACTION
	ON UPDATE NO ACTION);	ON UPDATE NO ACTION);
	CREATE TABLE IF NOT EXISTS films (
	idfilms INT NOT NULL,	
	name_film VARCHAR(45) NULL,	
	duration(min) INT NULL,	
	category VARCHAR(45) NULL,	
	theme VARCHAR(20) NULL,	
	country VARCHAR(20) NULL,	
	filmcompany VARCHAR(45) NULL,	
	describtion TEXT NULL,	
	director VARCHAR(45) NULL,	
	actors VARCHAR(120)[] NULL,	
	PRIMARY KEY (idfilms));	

Ограничения и последовательности работают

```
lab6=# INSERT INTO films(idfilms, actors) VALUES (1, '{"Jason Statham", "Bruce Willis", "Bruce Zalez"}');
INSERT 0 1
lab6=# SELECT actors[1] FROM films;
actors
-------
Jason Statham
(1 строка)
```

Теперь массивы

Экспорт

C:\Program Files\PostgreSQL\13\bin>pg_dump.exe -U postgres -d lab6 > C:\Users\vladt\Downloads\lab6.sql Пароль:

Импорт

```
lab6=# \i c:/Users/vladt/Downloads/lab6.sql
SET
SET
SET
SET
SET
 set_config
(1 строка)
SET
SET
SET
SET
SET
SET
CREATE TABLE
ALTER TABLE
CREATE SEQUENCE
ALTER TABLE
CREATE TABLE
ALTER TABLE
```

```
lab6=# SELECT actors[1] FROM public.films;
actors
-----
Jason Statham
(1 строка)
```