products
- product_id serial
- product_name character varying(255)
- articul character varying(255)
- min_cost numeric
- product_type_id integer

product_types
- product_type_id serial
- product_type_name character varying(255)
- type_coefficient numeric(10,2)

partner_products
- product_id integer
- partner_id integer
- amount integer
- sell_date date

partner_types
- partner_type_id serial
- partner_type_name character varying(255)

partners
- partner_id serial
- partner_name character varying(255)
- partner_type integer
- ceo_name character varying(255)
- partner_email character varying(50)
- partner_phone character varying(30)
- partner_address character varying(255)
- tin character varying(20)
- rating numeric(2,0)

CREATE TABLE product_types

(

       product_type_id serial PRIMARY KEY,

       product_type_name varchar(255) NOT NULL UNIQUE,

       type_coefficient decimal(10,2) NOT NULL CHECK (type_coefficient > 0)

);

CREATE TABLE products

(

       product_id serial PRIMARY KEY,

       product_name varchar(255) NOT NULL,

       articul varchar(255) NOT NULL UNIQUE,

       min_cost decimal NOT NULL CHECK (min_cost > 0),

       product_type_id int NOT NULL REFERENCES product_types(product_type_id)

```sql
);


CREATE TABLE partner_types
(
        partner_type_id serial PRIMARY KEY,
        partner_type_name varchar(255) NOT NULL UNIQUE
);


CREATE TABLE partners
(
        partner_id serial PRIMARY KEY,
        partner_name varchar(255) NOT NULL,
        partner_type int NOT NULL REFERENCES partner_types(partner_type_id),
        CEO_name varchar(255) NOT NULL,
        partner_email varchar(50) NOT NULL,
        partner_phone varchar(30) NOT NULL,
        partner_address varchar(255) NOT NULL,
        TIN varchar(20) NOT NULL UNIQUE,
        rating decimal(2,0) CHECK (rating > 0)
);


CREATE TABLE partner_products
(
        product_id int NOT NULL REFERENCES products(product_id),
        partner_id int NOT NULL REFERENCES partners(partner_id),
        amount int NOT NULL CHECK (amount > 0),
        sell_date date NOT NULL,
        PRIMARY KEY (product_id, partner_id)
);
```