**1.** Создать БД онлайн-магазина (по типу Вайлдберриз или Озона). Обязательно включить: **товары, продавцы, сотрудники, клиенты, заказы, пункты выдачи.** Дополнительные таблицы БУДУТ, так как БД должна быть в 3НФ, то есть:

CREATE TABLE Categories (

category\_id INT PRIMARY KEY,

[name] NVARCHAR(100)

);

GO

CREATE TABLE Products\_Instances (

product\_instance\_id INT PRIMARY KEY,

category\_id INT,

[name] NVARCHAR(100),

[description] NVARCHAR(MAX),

[availability] BIT

);

GO

CREATE TABLE Markets (

market\_id INT PRIMARY KEY,

[name] NVARCHAR(100),

city NVARCHAR(100),

[address] NVARCHAR(100)

);

GO

CREATE TABLE Products (

product\_id INT PRIMARY KEY,

product\_instance\_id INT,

market\_id INT,

rating DECIMAL(3,2) CHECK (rating >= 0.00 AND rating <= 5.00),

price DECIMAL(10, 2)

);

GO

CREATE TABLE Employees (

employee\_id INT PRIMARY KEY,

delivery\_point\_id INT,

[name] NVARCHAR(100),

email NVARCHAR(100),

phone NVARCHAR(100),

salary DECIMAL(10,2)

);

GO

CREATE TABLE Clients (

client\_id INT PRIMARY KEY,

[name] NVARCHAR(100),

email NVARCHAR(100),

phone NVARCHAR(100)

);

GO

CREATE TABLE Orders\_Items (

orders\_item\_id INT PRIMARY KEY,

order\_id INT,

product\_id INT

);

GO

CREATE TABLE Delivery\_Points (

delivery\_point\_id INT PRIMARY KEY,

[address] NVARCHAR (100),

city NVARCHAR(100),

rating DECIMAL(3,2) CHECK (rating >= 0.00 AND rating <= 5.00),

zipcode NVARCHAR(20)

);

GO

CREATE TABLE Orders (

order\_id INT PRIMARY KEY,

client\_id INT,

delivery\_point\_id INT,

order\_date DATETIME,

[status] NVARCHAR(50),

total\_amount DECIMAL(10, 2)

);

GO

ALTER TABLE Employees

ADD FOREIGN KEY (delivery\_point\_id) REFERENCES Delivery\_Points(delivery\_point\_id);

GO

ALTER TABLE Products\_Instances

ADD FOREIGN KEY (category\_id) REFERENCES Categories (category\_id);

GO

ALTER TABLE Products

ADD FOREIGN KEY (product\_instance\_id) REFERENCES Products\_Instances (product\_instance\_id),

FOREIGN KEY (market\_id) REFERENCES Markets (market\_id);

GO

ALTER TABLE Orders\_Items

ADD FOREIGN KEY (product\_id) REFERENCES Products (product\_id),

FOREIGN KEY (order\_id) REFERENCES Orders (order\_id);

GO

ALTER TABLE Orders

ADD FOREIGN KEY (client\_id) REFERENCES Clients (client\_id),

FOREIGN KEY (delivery\_point\_id) REFERENCES Delivery\_Points (delivery\_point\_id);

GO