CREATE DATABASE store\_management;

USE store\_management;

CREATE TABLE Governorates (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL

);

CREATE TABLE Stores (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

address VARCHAR(255) NOT NULL,

governorate\_id INT NOT NULL,

FOREIGN KEY (governorate\_id) REFERENCES Governorates(id)

);

CREATE TABLE Suppliers (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

phone VARCHAR(15),

email VARCHAR(100),

brief\_data TEXT

);

CREATE TABLE Products (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

code VARCHAR(50) NOT NULL UNIQUE,

description TEXT,

price DECIMAL(10, 2) NOT NULL,

supplier\_id INT NOT NULL,

FOREIGN KEY (supplier\_id) REFERENCES Suppliers(id)

);

CREATE TABLE Store\_Products (

store\_id INT NOT NULL,

product\_id INT NOT NULL,

PRIMARY KEY (store\_id, product\_id),

FOREIGN KEY (store\_id) REFERENCES Stores(id),

FOREIGN KEY (product\_id) REFERENCES Products(id)

);

INSERT INTO Governorates (name) VALUES ('Cairo');

INSERT INTO Governorates (name) VALUES ('Giza');

INSERT INTO Governorates (name) VALUES ('Alexandria');

INSERT INTO Suppliers (name, phone, email, brief\_data)

VALUES ('Supplier A', '01012345678', 'supplierA@example.com', 'Supplier A brief data');

INSERT INTO Suppliers (name, phone, email, brief\_data)

VALUES ('Supplier B', '01098765432', 'supplierB@example.com', 'Supplier B brief data');

INSERT INTO Stores (name, address, governorate\_id)

VALUES ('Store 1', 'Address 1, Cairo', 1);

INSERT INTO Stores (name, address, governorate\_id)

VALUES ('Store 2', 'Address 2, Giza', 2);

INSERT INTO Stores (name, address, governorate\_id)

VALUES ('Store 3', 'Address 3, Alexandria', 3);

INSERT INTO Products (name, code, description, price, supplier\_id)

VALUES ('Product 1', 'S18P001', 'Description for Product 1', 150.00, 1);

INSERT INTO Products (name, code, description, price, supplier\_id)

VALUES ('Product 2', 'S18P002', 'Description for Product 2', 120.00, 2);

INSERT INTO Products (name, code, description, price, supplier\_id)

VALUES ('Product 3', 'S18P003', 'Description for Product 3', 90.00, 1);

INSERT INTO Store\_Products (store\_id, product\_id) VALUES (1, 1);

INSERT INTO Store\_Products (store\_id, product\_id) VALUES (1, 2);

INSERT INTO Store\_Products (store\_id, product\_id) VALUES (2, 2);

INSERT INTO Store\_Products (store\_id, product\_id) VALUES (3, 3);