# -- Products table

CREATE TABLE Products (

product\_id VARCHAR(50) PRIMARY KEY,

product\_name VARCHAR(255) NOT NULL,

price NUMERIC(10, 2) NOT NULL,

category\_id VARCHAR(50),

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

);

# -- Category table

CREATE TABLE Categories (

category\_id VARCHAR(50) PRIMARY KEY,

category\_name VARCHAR(100) NOT NULL,

description TEXT

);

# -- Suppliers table

CREATE TABLE Suppliers (

supplier\_id VARCHAR(50) PRIMARY KEY,

supplier\_name VARCHAR(255) NOT NULL,

contact\_email VARCHAR(255),

phone\_number VARCHAR(15)

);

# -- Inventory table

CREATE TABLE Inventory (

inventory\_id VARCHAR(50) PRIMARY KEY,

product\_id VARCHAR(50),

quantity INT DEFAULT 0,

supplier\_id VARCHAR(50),

last\_updated DATE DEFAULT CURRENT\_DATE,

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

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

);

# -- Transactions table

CREATE TABLE Transactions (

transaction\_id VARCHAR(50) PRIMARY KEY,

product\_id VARCHAR(50),

transaction\_type VARCHAR(10) CHECK (transaction\_type IN ('sale', 'purchase')),

transaction\_date DATE DEFAULT CURRENT\_DATE,

quantity INT NOT NULL,

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

);