-- Create Database

CREATE DATABASE SampleDatabase;

USE SampleDatabase;

-- Create Employees Table

CREATE TABLE Employees (

EmployeeID INT PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

Salary DECIMAL(10, 2),

Department VARCHAR(50)

);

-- Insert Data into Employees Table

INSERT INTO Employees (EmployeeID, FirstName, LastName, Salary, Department)

VALUES

(1, 'John', 'Doe', 50000.00, 'IT'),

(2, 'Jane', 'Smith', 60000.00, 'HR'),

(3, 'Bob', 'Johnson', NULL, 'Finance'),

(4, 'Alice', 'Williams', 55000.00, NULL),

(5, 'David', 'Anderson', 48000.00, 'Marketing'),

(6, 'Emily', 'Clark', 70000.00, 'Sales'),

(7, 'Richard', 'Taylor', 62000.00, 'IT'),

(8, 'Sophia', 'Brown', 58000.00, 'HR')

-- Add more rows as needed...

-- Create Products Table

CREATE TABLE Products (

ProductID INT PRIMARY KEY,

ProductName VARCHAR(100),

Price DECIMAL(8, 2),

StockQuantity INT

);

-- Insert Data into Products Table

INSERT INTO Products (ProductID, ProductName, Price, StockQuantity)

VALUES

(101, 'Laptop', 1200.00, 10),

(102, 'Printer', 300.00, NULL),

(103, 'Mouse', 20.00, 50),

(104, 'Monitor', 350.00, 15),

(105, 'Keyboard', 50.00, 30),

(106, 'External Hard Drive', 80.00, 25),

(107, 'Smartphone', 600.00, 40),

(108, 'Tablet', 350.00, NULL)

-- Add more rows as needed...

-- Create Customers Table

CREATE TABLE Customers (

CustomerID INT PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

Email VARCHAR(100),

Phone VARCHAR(20)

);

-- Insert Data into Customers Table

INSERT INTO Customers (CustomerID, FirstName, LastName, Email, Phone)

VALUES

(201, 'Michael', 'Johnson', 'michael@email.com', '123-456-7890'),

(202, 'Sara', 'Miller', 'sara@email.com', NULL),

(203, 'Chris', 'Davis', NULL, '987-654-3210'),

(204, 'Julia', 'Moore', 'julia@email.com', '555-123-4567'),

(205, 'Daniel', 'Wilson', 'daniel@email.com', '999-888-7777'),

(206, 'Olivia', 'Smith', 'olivia@email.com', '111-222-3333'),

(207, 'Matthew', 'Brown', 'matthew@email.com', NULL),

(208, 'Sophie', 'Johnson', 'sophie@email.com', '777-888-9999')

-- Add more rows as needed...

-- Create Orders Table

CREATE TABLE Orders (

OrderID INT PRIMARY KEY,

CustomerID INT,

OrderDate DATE,

TotalAmount DECIMAL(10, 2),

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

-- Insert Data into Orders Table

INSERT INTO Orders (OrderID, CustomerID, OrderDate, TotalAmount)

VALUES

(301, 201, '2024-01-15', 1200.00),

(302, 204, '2024-02-01', 750.00),

(303, 206, '2024-02-15', 2800.00),

(304, 203, '2024-03-01', 500.00)

-- Add more rows as needed...

-- Create Suppliers Table

CREATE TABLE Suppliers (

SupplierID INT PRIMARY KEY,

SupplierName VARCHAR(100),

ContactPerson VARCHAR(50),

Email VARCHAR(100),

Phone VARCHAR(20)

);

-- Insert Data into Suppliers Table

INSERT INTO Suppliers (SupplierID, SupplierName, ContactPerson, Email, Phone)

VALUES

(401, 'ABC Electronics', 'John Supplier', 'abc@email.com', '111-222-3333'),

(402, 'XYZ Supplies', 'Emma Contact', 'xyz@email.com', '444-555-6666'),

(403, 'Tech Innovators', 'Bob Vendor', 'tech@email.com', NULL),

(404, 'Gadget World', 'Sara Sales', 'gadget@email.com', '777-888-9999')

-- Add more rows as needed...