**SQL 2 - HLT**

CREATE DATABASE ordering\_system;

USE ordering\_system;

CREATE TABLE customers(

CustomerID INT PRIMARY KEY,

CustomerName VARCHAR(100),

ContactName VARCHAR(100),

Address VARCHAR(100),

City VARCHAR(80),

PostalCode VARCHAR(10),

Country VARCHAR(40)

);

EXPLAIN customers;

INSERT INTO customers (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country)

VALUES

(1, "Toby Flunderson", "James", "A Avenue", "BIRMINGHAM", "B1", "UK"),

(2, "Leslie Knope", "James", "B Boulevard", "BIRMINGHAM", "B1", "UK"),

(3, "Dwight Schrute", "James", "P Place", "BIRMINGHAM", "B1", "UK"),

(4, "Donna Meagle", "James", "L Lane", "BIRMINGHAM", "B1", "UK"),

(5, "April Ludgate", "James", "R Road", "BIRMINGHAM", "B1", "UK"),

(6, "Stanley Hudson", "James", "S Street", "BIRMINGHAM","B1", "UK")

;

SELECT \* FROM customers;

CREATE TABLE orders(

OrderID INT NOT NULL PRIMARY KEY,

CustomerID INT,

ItemID INT NOT NULL,

ItemName VARCHAR(80)

);

EXPLAIN orders;

ALTER TABLE orders

ADD ProductPrice DECIMAL(6, 2);

EXPLAIN orders;

INSERT INTO orders (CustomerID, OrderID, ItemID, ItemName, ProductPrice)

VALUES

(6, 5021545, 32174524, "IPHONE 8", 799.99),

(3, 5021546, 45142548, "SAMSUNG NOTE", 699.99),

(3, 5021547, 87413547, "IPHONE 7", 599.99),

(1, 5021548, 24586596, "IPHONE 12", 899.99),

(4, 5021549, 47512543, "SAMSUNG FLIP", 799.99),

(5, 5021550, 73519487, "IPHONE 7", 699.99)

;

SELECT \* FROM orders;

INSERT INTO orders (CustomerID, OrderID, ItemID, ItemName, ProductPrice)

VALUES

('3', 5021551, 32174529, "IPHONE 12", 799.99);

SELECT \* FROM orders;

INSERT INTO orders (CustomerID, OrderID, ItemID, ItemName, ProductPrice)

VALUES

(5, 5021552, 32174589, "IPHONE 14", 899.99);

SELECT \* FROM orders;

INSERT INTO orders (CustomerID, OrderID, ItemID, ItemName, ProductPrice)

VALUES

(2, 5021553, 32174565, "IPHONE 15", 999.99);

SELECT \* FROM orders;

INSERT INTO orders (CustomerID, OrderID, ItemID, ItemName, ProductPrice)

VALUES

(3, 5021554, 32174546, "SAMSUNG 20", 799.99);

SELECT \* FROM orders;

UPDATE orders

SET ProductPrice = 799.99

WHERE OrderID = 5021550;

SELECT \* FROM orders;

SELECT customers.CustomerName , orders.OrderID

FROM customers

INNER JOIN orders

ON customers.CustomerID = orders.CustomerID;

SELECT \*

FROM customers

INNER JOIN orders

WHERE customers.CustomerID = orders.CustomerID AND orders.ItemName = "IPHONE 12";

SELECT \* FROM orders

WHERE ProductPrice between 899.99 and 999.99;

UPDATE customers

SET CustomerName = 'DAVID ADAM'

WHERE CustomerId = 4;

SELECT \* FROM customers;