**SELECT Staff.Employee\_ID, Staff.Last\_Name, Staff.Email, Restock\_Order.date, Supplier.Supplier\_ID, Supplier.Supplier\_Name, Supplier.Email**

**FROM Staff**

**LEFT JOIN Restock\_Order ON Staff.Employee\_ID = Restock\_Order.Employee\_ID**

**LEFT JOIN Restock\_Order ON Supplier.Supplier\_ID = Supplier.Supplier\_ID**

**ALTER TABLE "Orders"**

**ALTER COLUMN "Date" "dateonly";**

**ALTER TABLE Customer**

**ADD FOREIGN KEY (Zip\_Code) REFERENCES Location**

**ON DELETE SET NULL ON UPDATE CASCADE;**

**CUSTOMER**

CREATE TABLE Customer (

Customer\_ID varchar (4) NOT NULL,

Last\_Name varchar(20) NOT NULL,

First\_Name varchar(20),

Middle\_Name varchar(20),

Address varchar(20) NOT NULL,

Zip\_Code varchar (5) ,

Phone\_Number varchar(10) NOT NULL UNIQUE,

Email varchar(20) NOT NULL UNIQUE,

PRIMARY KEY (Customer\_ID),

FOREIGN KEY (Zip\_Code) REFERENCES Location,

ON DELETE SET NULL ON UPDATE CASCADE

);

INSERT INTO Customer (Customer\_ID, First\_Name, Middle\_Name, Last\_Name, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'C001', 'Alex', 'Shaw', 'Rue', '121 Lane st', '77000', '7134956498', 'asr@gmail.com' );

INSERT INTO Customer (Customer\_ID, First\_Name, Middle\_Name, Last\_Name, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'C002', 'Tyrone', 'NULL', 'Luddock', '007 James Bond St', '79851', '281444555', 'jamesbond@gmail.com' );

INSERT INTO Customer (Customer\_ID, First\_Name, Middle\_Name, Last\_Name, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'C003', 'Jintoki', 'NULL', 'Kurinai', 'Nippon Weebo St', '79851', '7984547855’, 'iamaweeb@gmail.com' );

INSERT INTO Customer (Customer\_ID, First\_Name, Middle\_Name, Last\_Name, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'C004', 'Xaxix', 'Vavi', 'Khaki', 'Richard Lane', '88974', '4513679456', 'hihihihi@gmail.com' );

INSERT INTO Customer (Customer\_ID, First\_Name, Middle\_Name, Last\_Name, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'C005', 'Luis', 'Jerry', 'Robinson', 'Lee St', '99999', '545213689', 'yolo@gmail.com' );

INSERT INTO Customer (Customer\_ID, First\_Name, Middle\_Name, Last\_Name, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'C006', 'Jerry', 'S', 'Seinfeild', 'Larry David st', '88974', '7134952498', 'jerry@gmail.com' );

INSERT INTO Customer (Customer\_ID, First\_Name, Middle\_Name, Last\_Name, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'C007', 'Hello', 'Where', 'David', 'Youchou st', '11111', '7254956498', 'hellodarkness@gmail.com' );

INSERT INTO Customer (Customer\_ID, First\_Name, Middle\_Name, Last\_Name, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'C008', 'Harry', 'J', 'Styles', 'england st', '11111', '7254997498', 'harry@gmail.com' );

**LOCATION**

CREATE TABLE Location(

Zip\_Code varchar(5) NOT NULL,

City varchar(20) NOT NULL,

State varchar(20) NOT NULL,

PRIMARY KEY (Zip\_Code, City),

);

INSERT INTO Location (Zip\_Code, City, State)

VALUES ( '77000', 'Houston', 'Texas');

INSERT INTO location (Zip\_Code, City, State)

VALUES ( '79851', 'Lubbock', 'Texas');

INSERT INTO location (Zip\_Code, City, State)

VALUES ( '57456', 'Tokyo', 'Kyoto');

INSERT INTO location (Zip\_Code, City, State)

VALUES ( '88974', 'Clear Lake', 'Florida');

INSERT INTO location (Zip\_Code, City, State)

VALUES ( '99999', 'Lake Overdrive', 'Wyoming');

INSERT INTO location (Zip\_Code, City, State)

VALUES ( '11111', 'Lake Houston', 'Wyoming');

INSERT INTO location (Zip\_Code, City, State)

VALUES ( '11221', 'Lake Jersey', 'Wyoming');

INSERT INTO location (Zip\_Code, City, State)

VALUES ( '11711', 'Lake York', 'New York');

**PRODUCT TABLE**

CREATE TABLE Product (

Product\_ID varchar (4) NOT NULL,

Size varchar (2) NOT NULL,

In\_Stock varchar (4) NOT NULL,

PRIMARY KEY (Product\_ID),

FOREIGN KEY (Sneaker\_Name) REFERENCES Sneaker

ON DELETE SET NULL ON UPDATE CASCADE

);

INSERT INTO Product ( Product\_ID, Size,In\_Stock, Sneaker\_Name )  
VALUES ( ‘P001’, ‘10’, ‘25’, ‘NMD’ );

INSERT INTO Product ( Product\_ID, Size,In\_Stock, Sneaker\_Name )  
VALUES ( ‘P002’, ‘9’, ‘12’, ‘NMD’ );

INSERT INTO Product ( Product\_ID, Size,In\_Stock, Sneaker\_Name )  
VALUES ( ‘P003’, ‘9.5’, ‘5’, ‘AirForce’ );

INSERT INTO Product ( Product\_ID, Size,In\_Stock, Sneaker\_Name )  
VALUES ( ‘P004’, ‘8’, ‘60’, ‘Swift’ );

INSERT INTO Product ( Product\_ID, Size,In\_Stock, Sneaker\_Name )  
VALUES ( ‘P005’, ‘8’, ‘14’, ‘Boost’ );

INSERT INTO Product ( Product\_ID, Size,In\_Stock, Sneaker\_Name )  
VALUES ( ‘P006’, ‘8’, ‘18’, ‘Boost 2’ );

INSERT INTO Product ( Product\_ID, Size,In\_Stock, Sneaker\_Name )  
VALUES ( ‘P007’, ‘10’, ‘19’, ‘Bo’ );

**ORDER TABLE**

CREATE TABLE Order (

Order\_Number varchar (4) NOT NULL,

Total\_Price int NOT NULL,

Date date NOT NULL,

PRIMARY KEY (Order\_Number),

FOREIGN KEY (Employee\_ID) REFERENCES Staff(Employee\_ID),

FOREIGN KEY (Warehouse\_ID) REFERENCES Warehouse(Warehouse\_ID),

FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID),

ON DELETE SET NULL ON UPDATE CASCADE

);

INSERT INTO ORDERS ( Order\_Number, Total\_Price, Date, Employee\_ID, Warehouse\_ID, Customer\_ID)  
VALUES ( ‘A001’, ‘100’, ‘12/01/2018’, ‘E001’, ‘W001’, ‘C001’ );

INSERT INTO ORDERS ( Order\_Number, Total\_Price, Date, Employee\_ID, Warehouse\_ID, Customer\_ID)  
VALUES ( ‘A002’, ‘1200’, ‘01/11/2017’, ‘E001’, ‘W001’, ‘C002’ );

INSERT INTO ORDERS ( Order\_Number, Total\_Price, Date, Employee\_ID, Warehouse\_ID, Customer\_ID)  
VALUES ( ‘A003’, ‘80’, ‘02/02/2018’, ‘E004’, ‘W003’, ‘C002’ );

INSERT INTO ORDERS ( Order\_Number, Total\_Price, Date, Employee\_ID, Warehouse\_ID, Customer\_ID)  
VALUES ( ‘A004’, ‘79’, ‘04/11/2016’, ‘E005’, ‘W003’, ‘C003’ );

INSERT INTO ORDERS ( Order\_Number, Total\_Price, Date, Employee\_ID, Warehouse\_ID, Customer\_ID)  
VALUES ( ‘A005’, ‘100’, ‘09/07/2018’, ‘E004’, ‘W003’, ‘C005’ );

INSERT INTO ORDERS ( Order\_Number, Total\_Price, Date, Employee\_ID, Warehouse\_ID, Customer\_ID)  
VALUES ( ‘A006’, ‘199’, ‘09/04/2018’, ‘E004’, ‘W001’, ‘C005’ );

**ORDER DETAILS**

CREATE TABLE Order\_Details(

Order\_Number varchar (4) NOT NULL,

Product\_ID varchar (4) NOT NULL,

Quantity varchar (4) NOT NULL,

PRIMARY KEY (Order\_Number, Product\_ID),

);

INSERT INTO Order\_Details ( Order\_Number, Product\_ID, Quantity)  
VALUES ( ‘A001’, ‘P002’, ‘1’);

INSERT INTO Order\_Details ( Order\_Number, Product\_ID, Quantity)  
VALUES ( ‘A001’, ‘P003’, ‘1’);

INSERT INTO Order\_Details ( Order\_Number, Product\_ID, Quantity)  
VALUES ( ‘A005’, ‘P003’, ‘2’);

INSERT INTO Order\_Details ( Order\_Number, Product\_ID, Quantity)  
VALUES ( ‘A002’, ‘P001’, ‘1’);

INSERT INTO Order\_Details ( Order\_Number, Product\_ID, Quantity)  
VALUES ( ‘A001’, ‘P004’, ‘5’);

PRODUCT TABLE

CREATE TABLE Product (

Cart\_ID varchar(5) NOT NULL PRIMARY KEY,

Product\_ID varchar (4) NOT NULL,

Size varchar(5) NOT NULL Unique,

Price int NOT NULL,

Quantity int NOT NULL,

);

**Sneaker**

CREATE TABLE Sneaker(

Sneaker\_Name varchar (20) NOT NULL,

Color varchar(20) NOT NULL,

Gender varchar(1),

Brand varchar(20) NOT NULL,

Price int NOT NULL,

PRIMARY KEY (Sneaker\_Name),

);

INSERT INTO Sneaker (Sneaker\_Name, Color, Gender, Brand, Price)

VALUES ( 'NMD', 'Red', 'M', 'Adidas', '200');

INSERT INTO Sneaker (Sneaker\_Name, Color, Gender, Brand, Price)

VALUES ( 'AirForce', 'Green', 'F', 'Nike', '100');

INSERT INTO Sneaker (Sneaker\_Name, Color, Gender, Brand, Price)

VALUES ( 'Swift', 'Red', 'M', 'Nike', '80');

INSERT INTO Sneaker (Sneaker\_Name, Color, Gender, Brand, Price)

VALUES ( 'Boost', 'White', 'M', 'Yeezy', '356');

INSERT INTO Sneaker (Sneaker\_Name, Color, Gender, Brand, Price)

VALUES ( 'Iron Ranger', 'Amber', 'M', 'Red Wing', '305');

**WAREHOUSE**

CREATE TABLE Warehouse(

Warehouse\_ID (4) NOT NULL,

Address varchar(20) NOT NULL,

Zip\_Code varchar (5) ,

Phone\_Number varchar(10) NOT NULL UNIQUE,

Email varchar(20) NOT NULL UNIQUE,

PRIMARY KEY (Warehouse\_ID),

);

INSERT INTO Warehouse (Warehouse\_ID, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'W001', '39 Kidding Street', '77000', '8328964578', 'min@gmail.com');

INSERT INTO Warehouse (Warehouse\_ID, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'W002', '3 People Street', '79851', '8327868945', 'mir@gmail.com');

INSERT INTO Warehouse (Warehouse\_ID, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'W003', '33 Ggwp Street', '79851', '8322354512', 'askey@gmail.com');

INSERT INTO Warehouse (Warehouse\_ID, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'W004', '54 yolo Street', '88974', '8325632645', 'dell@gmail.com');

INSERT INTO Warehouse (Warehouse\_ID, Address, Zip\_Code, Phone\_Number, Email)

VALUES ( 'W005', '58 Jesus Street', '99999', '8322345689', 'corei5@gmail.com');

**Supplier**

CREATE TABLE Supplier(

Supplier\_ID varchar (4) NOT NULL,

Supplier\_Name varchar(20) NOT NULL,

Address varchar(20),

Zip\_Code varchar(5),

Email varchar(20) NOT NULL,

Phone varchar(10) NOT NULL,

PRIMARY KEY (Supplier\_ID),

);

INSERT INTO Supplier (Supplier\_ID, Supplier\_Name, Address, Zip\_Code, Email, Phone)

VALUES ( 'S006', 'Puma', '4521 Street', '77000', 'hello@gmail.com', '7155874632');

INSERT INTO Supplier (Supplier\_ID, Supplier\_Name, Address, Zip\_Code, Email, Phone)

VALUES ( 'S001', 'Adidas', '39 Dawn Street', '77000', 'myo@gmail.com', '7169956498');

INSERT INTO Supplier (Supplier\_ID, Supplier\_Name, Address, Zip\_Code, Email, Phone)

VALUES ( 'S002', 'Nike', '47 Orange Street', '77000', 'jesus@gmail.com', '9648452126');

INSERT INTO Supplier (Supplier\_ID, Supplier\_Name, Address, Zip\_Code, Email, Phone)

VALUES ( 'S003', 'Adidas Outlet', '890 Poe Street', '77000', 'adidas@gmail.com', '7169956964');

INSERT INTO Supplier (Supplier\_ID, Supplier\_Name, Address, Zip\_Code, Email, Phone)

VALUES ( 'S004', 'Under Armor', '3 Main Street', '99999', 'omer@gmail.com', '2589656498');

INSERT INTO Supplier (Supplier\_ID, Supplier\_Name, Address, Zip\_Code, Email, Phone)

VALUES ( 'S005', 'Reebok', 'Apple Street', '99551', '99apple@gmail.com', '7169957896');

Shipment

CREATE TABLE Shipment(

Shipment\_ID varchar (4) NOT NULL,

Warehouse\_ID varchar(4),

Tracking\_Number varchar(20) UNIQUE,

Carrier varchar(20),

Weight varchar(10) NOT NULL,

Shipping\_Cost int,

Date date NOT NULL,

Order\_Number varchar (4),

PRIMARY KEY (Shipment\_ID),

FOREIGN KEY (Order\_Number) REFERENCES Orders(Order\_Number)

FOREIGN KEY (Warehouse\_ID) REFERENCES Warehouse(Warehouse\_ID)

ON DELETE SET NULL ON UPDATE CASCADE

);

INSERT INTO Shipment (Shipment\_ID, Warehouse\_ID, Tracking\_Number, Carrier, Weight, Shipping\_Cost, Date, Order\_Number)

VALUES ( 'SH01', 'W002', '1Z956544664', 'UPS', '4', '10', '11/20/2018', A002);

INSERT INTO Shipment (Shipment\_ID, Warehouse\_ID, Tracking\_Number, Carrier, Weight, Shipping\_Cost, Date, Order\_Number)

VALUES ( 'SH02', 'W002', '4Z548787T', 'UPS', '6', '20', '04/22/2018', 'A001');

INSERT INTO Shipment (Shipment\_ID, Warehouse\_ID, Tracking\_Number, Carrier, Weight, Shipping\_Cost, Date, Order\_Number)

VALUES ( 'SH03', 'W001', '98976464', 'FEDEX', '3', '8', '10/20/2018', 'A004);

INSERT INTO Shipment (Shipment\_ID, Warehouse\_ID, Tracking\_Number, Carrier, Weight, Shipping\_Cost, Date, Order\_Number)

VALUES ( 'SH04', 'W003', '1Z9797646464', 'UPS', '9', '8', '11/19/2018', 'A003');

INSERT INTO Shipment (Shipment\_ID, Warehouse\_ID, Tracking\_Number, Carrier, Weight, Shipping\_Cost, Date, Order\_Number)

VALUES ( 'SH05', 'W004', '1Z7987464641', 'UPS', '5.3','5', '09/28/2018', 'A005');

Staff

CREATE TABLE Staff(

Employee\_ID varchar (4) NOT NULL,

First\_Name varchar(20),

Last\_Name varchar(20) UNIQUE,

Position varchar(10) NOT NULL,

Salary int NOT NULL,

Email varchar (20) NOT NULL,

Warehouse\_ID varchar(4),

PRIMARY KEY (Employee\_ID),

FOREIGN KEY (Warehouse\_ID) REFERENCES Warehouse(Warehouse\_ID)

ON DELETE SET NULL ON UPDATE CASCADE

);

INSERT INTO Staff (Employee\_ID, First\_Name, Last\_Name, Position, Salary, Email, Warehouse\_ID)

VALUES ( 'E001', 'Jane', 'Wecco', 'Manager', '43000', 'yolomaster@yahoo.com', 'W002');

INSERT INTO Staff (Employee\_ID, First\_Name, Last\_Name, Position, Salary, Email, Warehouse\_ID)

VALUES ( 'E002', 'Alex', 'Kenny', 'Assistant', '39000', 'publcrisis@gmail.com', 'W002');

INSERT INTO Staff (Employee\_ID, First\_Name, Last\_Name, Position, Salary, Email, Warehouse\_ID)

VALUES ( 'E003', 'Zaw', 'Myo', 'Clerk', '33000', 'sky@yahoo.com', 'W003');

INSERT INTO Staff (Employee\_ID, First\_Name, Last\_Name, Position, Salary, Email, Warehouse\_ID)

VALUES ( 'E004', 'Emily', 'Clark', 'Supervisor', '73000', 'binoy@yahoo.com', 'W005');

INSERT INTO Staff (Employee\_ID, First\_Name, Last\_Name, Position, Salary, Email, Warehouse\_ID)

VALUES ( 'E005', 'Jenny', 'Craig', 'Clerk', '33000', 'infafin@yahoo.com', 'W001');

RESTOCK\_ORDER

CREATE TABLE Restock\_Order(

Restock\_No varchar (4) NOT NULL,

Date date NOT NULL,

Supplier\_ID varchar(4),

Employee\_ID varchar(4),

Warehouse\_ID varchar(4),

PRIMARY KEY (Restock\_No),

FOREIGN KEY (Warehouse\_ID) REFERENCES Warehouse(Warehouse\_ID)

FOREIGN KEY (Employee\_ID) REFERENCES Staff(Employee\_ID)

FOREIGN KEY (Supplier\_ID) REFERENCES Supplier(Supplier\_ID)

ON DELETE SET NULL ON UPDATE CASCADE

);

INSERT INTO Restock\_Order (Restock\_No, Date, Supplier\_ID,Employee\_ID, Warehouse\_ID)

VALUES ( 'R001', '05/18/2018', 'S001', 'E001', 'W001');

INSERT INTO Restock\_Order (Restock\_No, Date, Supplier\_ID,Employee\_ID, Warehouse\_ID)

VALUES ( 'R002', '08/01/2018', 'S002', 'E002', 'W002');

INSERT INTO Restock\_Order (Restock\_No, Date, Supplier\_ID,Employee\_ID, Warehouse\_ID)

VALUES ( 'R003', '07/06/2018', 'S001', 'E001', 'W003');

INSERT INTO Restock\_Order (Restock\_No, Date, Supplier\_ID,Employee\_ID, Warehouse\_ID)

VALUES ( 'R004', '10/15/2018', 'S004', 'E003', 'W004');

INSERT INTO Restock\_Order (Restock\_No, Date, Supplier\_ID,Employee\_ID, Warehouse\_ID)

VALUES ( 'R005', '11/25/2018', 'S005', 'E004', 'W005');

CREATE TABLE **Restock\_Details**(

Restock\_No varchar (4) NOT NULL,

Product\_ID varchar (4) NOT NULL,

Purchase\_Quantity varchar(4),

PRIMARY KEY (Restock\_No, Product\_ID),

);

INSERT INTO Restock\_Details (Restock\_No, Product\_ID,Purchase\_Quantity)

VALUES ( 'R001', 'P001', '57');

INSERT INTO Restock\_Details (Restock\_No, Product\_ID,Purchase\_Quantity)

VALUES ( 'R001', 'P002', '69');

INSERT INTO Restock\_Details (Restock\_No, Product\_ID,Purchase\_Quantity)

VALUES ( 'R003', 'P002', '12');

INSERT INTO Restock\_Details (Restock\_No, Product\_ID,Purchase\_Quantity)

VALUES ( 'R003', 'P004', '15');

INSERT INTO Restock\_Details (Restock\_No, Product\_ID,Purchase\_Quantity)

VALUES ( 'R005', 'P005', '21');