Customers: <u>CustomerID</u>, Customer_Name, Phone_Number

Customers purchase the products from the store.

SQL Syntax:

CREATE TABLE customers_Q

(CustomerID Number NOT NULL CONSTRAINT CustomerQ_PK PRIMARY KEY,

Customer_Name VARCHAR(20),

Phone_Number Number(10));

Employees: <u>EmployeeID</u>, Employee_Name, Hours, Pay, Phone_Numer,

Number_of_Dependents

Employees work for the store.

SQL Syntax:

CREATE TABLE employee_Q
(EmployeeID Number NOT NULL CONSTRAINT EmployeeQ_PK PRIMARY KEY,
Employee_Name VARCHAR2(20),
Hours Number(5), Pay Number(10), Phone_Number Number(10));

Order: <u>OrderID</u>, Product_Amount, Product_ID, Order_Date

Orders are placed by customers at the store.

SQL Syntax:

CREATE TABLE order_Q (
OrderID Number(5) CONSTRAINT OrderQ_PK PRIMARY KEY, Product_Amount Number(5),
ProductID varchar2(5), Order_Date DATE);

Store: <u>StoreID</u>, Contact, Location_Address, Inventory

Stores are the location in which customers shop, employees work, and product is kept

SQL Syntax:

Create table store_Q(

store_ID number(3) constraint storeQ_pk primary key,phone_number (10),

location varchar2(50), inventory varchar2(15));

Supplier: <u>SupplierID</u>, Supplier_Name, Contact_Info

>Suppliers send shipments of products to the stores.

SQL Syntax:

Create table supplier_Q (

supplier_ID number(3) constraint supplierQ_pk primary key,

Supplier_Name varchar2(20), Contact_Info number(10));

Product: <u>ProductID</u>, Product_Description, Price, On_Hand, Amount_Ordered

>Products are goods that the customers buy

SQL Syntax:

Create table product_Q(

product_ID number(3) constraint productQ_pk primary key, product_desc varchar2(30),

price number(4), on_hand number(4), amount_ordered(4));

Dependent (Weak entity): <u>DependentID</u>, <u>EmployeeID</u>, Dependent_Name, Relationship, Contact_Info

>Dependents are people who receive over half of their support from employees

SQL Syntax:

Create table dependent_Q(

dependent_ID number(3) constraint dependentQ_pk primary key,

employee_ID number(3) constraint dependentQ_pk primary key,

dependent_name varchar2(30), relationship varchar2(15), phone_number number(10));

UPDATED SQL FOR SCRIPT

```
CREATE TABLE customers_Q
(CustomerID Number NOT NULL CONSTRAINT CustomerQ_PK PRIMARY KEY,
Customer_Name VARCHAR2(20),
Phone_Number VARCHAR2(12));

insert into customers_Q values(10, 'Sally Adams', '515-555-555');
insert into customers_Q values(11, 'Ben Johnson', '515-555-7777');
insert into customers_Q values(12, 'Jason Yager', '515-555-8888');

CREATE TABLE employee_Q
(EmployeeID Number NOT NULL CONSTRAINT EmployeeQ_PK PRIMARY KEY,
Employee_Name VARCHAR2(20),
Hours  Number(5), Pay Number(10), Phone_Number VARCHAR2(12));

insert into employee_Q values(1,'Simon Johnson', 40, 10, '515-555-2233');
insert into employee_Q values(2,'Larry Baller', 40, 10, '515-555-6633');

CREATE TABLE orders_Q (
OrderID Number(5) CONSTRAINT OrderQ_PK PRIMARY KEY, Product_Amount Number(5),
ProductID varchar2(5), Order_Date DATE);

insert into orders_Q values(1234, 2, 20, '02-AUG-2018');
insert into orders_Q values(1235, 3, 21, '03-AUG-2018');


Create table store_Q(
store_ID number(3) constraint storeQ_pk primary key,phone_number varchar2(12),
location varchar2(50), inventory varchar2(15));

insert into store_Q values(30, '641-555-2323', 'Ames, IA', 'A lot');

Create table supplier_Q (
supplier_ID number(3) constraint supplierQ_pk primary key,
Supplier_Name varchar2(20), Contact_Info varchar2(12));

insert into supplier_Q values(100, 'Big Warehouse', '712-333-4444');
```

```
Create table product_Q(
product_ID number(3) constraint productQ_pk primary key, product_desc varchar2(30),
price number(4), on_hand number(4), amount_ordered number(4));

insert into product_Q values(20, 'Pre Workout', 35, 5, 2);
insert into product_Q values(21, 'Protein', 40, 6, 3);
```