

```
String sqlStatement = "CREATE TABLE Restaurant (store_ID INT PRIMARY KEY,  
location VARCHAR NOT NULL);";
```

Created Restaurant table above.

```
String sqlStatement = "CREATE TABLE Inventory (item_ID INT PRIMARY KEY,  
item_name VARCHAR NOT NULL, item_quantity INT DEFAULT 0, expiration_date  
DATE NOT NULL, price DECIMAL NOT NULL, store_id INT REFERENCES  
restaurant(store_id));";
```

Created Inventory table above.

```
String sqlStatement = "CREATE TABLE Orders (order_ID INT PRIMARY KEY,  
customer VARCHAR NOT NULL, order_date DATE NOT NULL, price DECIMAL DEFAULT  
0, employee_ID INT REFERENCES employee(employee_ID));";
```

Created orders table

```
String sqlStatement = "CREATE TABLE employee(employee_ID INT PRIMARY KEY,  
name VARCHAR NOT NULL, position VARCHAR NOT NULL store_ID INT REFERENCES  
restaurant(store_ID));";
```

Created employee table

```
String sqlStatement = "CREATE TABLE sales(day_ID INT PRIMARY KEY,  
total_sales DECIMAL, store_ID INT REFERENCES restaurant(store_ID));";
```

Created sales table

```
String sqlStatement = "CREATE TABLE shipment(ship_ID INT PRIMARY KEY,  
arrival_date DATE, destination VARCHAR NOT NULL, ship_quantity INT,  
store_ID INT REFERENCES restaurant(store_ID), item_ID INT REFERENCES  
inventory(item_ID));";
```

Created shipment table

```
String sqlStatement = "CREATE TABLE OrdersInDay(relation_ID INT PRIMARY  
KEY, day_ID INT REFERENCES sales(day_ID), order_ID INT REFERENCES  
orders(order_ID));";
```

Created ordersinday table

```
String sqlStatement = "CREATE TABLE ItemsInOrder (relation_ID INT PRIMARY  
KEY, item_ID INT REFERENCES inventory(item_ID), order_ID INT REFERENCES  
orders(order_ID));";
```

Created items in order

Changed club sandwich meal from \$0.75 to \$5.75 in MenuKey.csv to relate to club sandwich entrée

Populated sales table using salesChange.java

Populated inventory table using inventoryChange.java

```
sqlStatement = "UPDATE inventory SET item_quantity = item_quantity - " + quantity + "  
WHERE item_id = 2019;";  
result = stmt.executeUpdate(sqlStatement);
```

Example of updating an item's quantity in inventory