Capstone Database Engineer Course by Meta

Final Project Assessment

Database Creation, Reading, Updating, and Deletion (CRUD) using .csv file, MySQL, MySQL WorkBench, Python, Jupyter Notebook, GitHub, and Visual Studio Code

Initialization: Import required libraries.

In [43]:
```python
#Import MySQL Connector/Python
import mysql.connector as connector
#Import the Error class from MySQL Connector/Python
from mysql.connector import Error
#Import Panda, required to create a dataframe with the data to record in the databas
import pandas as pd
```

Task 0: Connect to the Database designed and created using MySQL WorkBench.

In [44]:
```python
#Define database configurations as a Python dictionary object called dbconfig
dbconfig={"host":"localhost","user":"root", "password":""}
```

In [45]:
```python
#Connect to MySQL
def connectToMySQL():
    try:
        connection = connector.connect(**dbconfig)
        print("Successfully connected to MySQL.")
        return connection
    except Error as er:
        print("Something went wrong.")
        print("Error Code:", er.errno)
        print("Error Message:", er.msg)

cnx=connectToMySQL()
```
```
Successfully connected to MySQL.
```

```
In [46]:  #Create a cursor
          cursor = cnx.cursor()
          print("Cursor successfully created.")
```

Cursor successfully created.

```
In [47]:  #Set the database for use
          try:
              use_database1_sql = """USE little_lemon_org_database"""
              cursor.execute(use_database1_sql)
              print("Database little_lemon_org_database is ready for use.")
          except Error as er:
              print("Something went wrong.")
              print("Error Code:", er.errno)
              print("Error Message:", er.msg)
```

Database little_lemon_org_database is ready for use.

Task 1: Tranform the data given and extract the data for each Table

```
In [6]:  #Create a dataframe with the .csv files provided
         file_location_name = 'tables_data\LittleLemon_allData.csv'
         df = pd.read_csv(file_location_name, index_col=False, delimiter = ',', keep_default
         df.head(5)
```

Out[6]:

	Row Number	Order ID	Order Date	Delivery Date	Customer ID	Customer Name	City	Country
0	1	54-366-6861	15-Jun-2020	26-Mar-2020	72-055-7985	Laney Fadden	Daruoyan	China
1	2	63-761-3686	25-Aug-2020	17-Jul-2020	65-353-0657	Giacopo Bramich	Ongjin	North Korea
2	3	65-351-6434	17-Aug-2021	24-Apr-2020	90-876-6799	Lia Bonar	Quince Mil	Peru
3	4	36-917-2834	14-Aug-2021	13-Apr-2020	73-873-4827	Merrill Baudon	Susaki	Japan
4	5	86-114-9232	20-Dec-2020	2-Feb-2021	80-927-5246	Tasia Fautly	Tobruk	Libya

5 rows × 21 columns

```
In [7]:  # Get data types of columns before conversion
         df.dtypes
```

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```
Out[7]:  Row Number           int64
         Order ID            object
         Order Date          object
         Delivery Date       object
         Customer ID         object
         Customer Name       object
         City                object
         Country             object
         Postal Code         object
         Country Code        object
         Cost               float64
         Sales              float64
         Quantity             int64
         Discount           float64
         Delivery Cost      float64
         Course Name         object
         Cuisine Name        object
         Starter Name        object
         Desert Name         object
         Drink               object
         Sides               object
         dtype: object
```

```python
In [8]:  # Convert datatype of appropriate columns to date time
         df["Order Date"]=df["Order Date"].apply(pd.to_datetime)
         df["Delivery Date"]=df["Delivery Date"].apply(pd.to_datetime)
         # Convert datatype of appropriate columns to string
         df["Order ID"]=df["Order ID"].astype('string')
         df["Customer ID"]=df["Customer ID"].astype('string')
         df["Customer Name"]=df["Customer Name"].astype('string')
         df["City"]=df["City"].astype('string')
         df["Country"]=df["Country"].astype('string')
         df["Postal Code"]=df["Postal Code"].astype('string')
         df["Country Code"]=df["Country Code"].astype('string')
         df["Course Name"]=df["Course Name"].astype('string')
         df["Cuisine Name"]=df["Cuisine Name"].astype('string')
         df["Starter Name"]=df["Starter Name"].astype('string')
         df["Desert Name"]=df["Desert Name"].astype('string')
         df["Drink"]=df["Drink"].astype('string')
         df["Sides"]=df["Sides"].astype('string')
         # Add 2 digits for the decimal part of floats
         df["Cost"]=df["Cost"].round(decimals=2)
         df["Sales"]=df["Sales"].round(2)
         df["Discount"]=df["Discount"].round(2)
         df["Delivery Cost"]=df["Delivery Cost"].round(2)
```

```python
In [9]:  # Check for missing values
         df.isna().sum()
```

```
Out[9]: Row Number        0
        Order ID          0
        Order Date        0
        Delivery Date     0
        Customer ID       0
        Customer Name     0
        City              0
        Country           0
        Postal Code       0
        Country Code      0
        Cost              0
        Sales             0
        Quantity          0
        Discount          0
        Delivery Cost     0
        Course Name       0
        Cuisine Name      0
        Starter Name      0
        Desert Name       0
        Drink             0
        Sides             0
        dtype: int64
```

```python
In [10]: # Generate the column AddressID with data from existing columns and a digit
         df["AddressID"]=df["City"].str.replace(' ', '', regex=False)+"-"+df["Country"].str[
         df["AddressID"]=df["AddressID"].str.upper()

         # Create the corresponding dataframe for Table DeliveryAddress
         df_DeliveryAddress = df.filter(items=["AddressID", "City","Country","Postal Code","
         # Rename columns as in DeliveryAddress Table
         df_DeliveryAddress = df_DeliveryAddress.rename(columns={"Row Number":"AddressID","P

         # Delete dupplicate row because AddressID is a Primary key
         df_DeliveryAddress = df_DeliveryAddress.drop_duplicates()

         # Display first rows of DeliveryAddress Table
         df_DeliveryAddress.head(5)
```

Out[10]:

	AddressID	City	Country	PostalCode	CountryCode
0	DARUOYAN-CHI-9930031-1	Daruoyan	China	993-0031	CN
1	ONGJIN-NOR-216282-1	Ongjin	North Korea	216282	KP
2	QUINCEMIL-PER-663246-1	Quince Mil	Peru	663246	PE
3	SUSAKI-JAP-9870352-1	Susaki	Japan	987-0352	JP
4	TOBRUK-LIB-351 01-1	Tobruk	Libya	351 01	LY

```python
In [11]: # Generate the column ProductID with data from existing columns and a digit
         df["ProductID"] = df["Course Name"].str[:3] + df["Cuisine Name"].str[:3] + df["Star

         # Create the corresponding dataframe for Table Products
         df_Produts = df.filter(items=["ProductID", "Course Name","Cuisine Name","Starter Na
```

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```python
df_Produts = df_Produts.rename(columns={"Course Name":"CourseName","Cuisine Name":"
                                        "Starter Name":"StarterName

# Delete dupplicate row because ProductID is a Primary key
df_Produts = df_Produts.drop_duplicates()

# Display first rows of Products Table
df_Produts.head(5)
```

Out[11]:

	ProductID	CourseName	CuisineName	StarterName	DesertName	Drink
0	GreGreOliGreAthTap1	Greek salad	Greek	Olives	Greek yoghurt	Athens White wine
1	BeaItaFlaIceCorPot1	Bean soup	Italian	Flatbread	Ice cream	Corfu Red Wine
2	PizItaMinCheItaBru1	Pizza	Italian	Minestrone	Cheesecake	Italian Coffee	Br
3	CarTurTomAffRomFoc1	Carbonara	Turkish	Tomato bread	Affogato	Roma Red wine
4	KabGreFalTurAnkMea1	Kabasa	Greek	Falafel	Turkish yoghurt	Ankara White Wine	N

In [12]:
```python
# Extract 2 new columns FirstName and LastName from the column Name
df["FirstName"]=df["Customer Name"].str.split(" ", n=1).str.get(0)
df["LastName"]=df["Customer Name"].str.split(" ", n=1).str.get(1)

# Create the corresponding dataframe for Table Customers
df_Customers = df.filter(items=["Customer ID", "FirstName","LastName"])
# Rename columns as in Customers Table
df_Customers = df_Customers.rename(columns={"Customer ID":"CustomerID"})

# Delete dupplicate row because CustomerID is a Primary key
df_Customers=df_Customers.drop_duplicates()

# Display first rows of Customers Table
df_Customers.head(5)
```

Out[12]:

	CustomerID	FirstName	LastName
0	72-055-7985	Laney	Fadden
1	65-353-0657	Giacopo	Bramich
2	90-876-6799	Lia	Bonar
3	73-873-4827	Merrill	Baudon
4	80-927-5246	Tasia	Fautly

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```
In [13]:  # Create the corresponding dataframe for Table Orders
          df_Orders = df.filter(items=["Order ID", "Order Date","Customer ID"])
          # Rename columns as in Customers Table
          df_Orders = df_Orders.rename(columns={"Order ID":"OrderID","Order Date":"OrderDate"

          # Delete dupplicate row because OrderID is a Primary key
          df_Orders=df_Orders.drop_duplicates()

          # Display first rows of Orders Table
          df_Orders.head(5)
```

Out[13]:

	OrderID	OrderDate	CustomerID
0	54-366-6861	2020-06-15	72-055-7985
1	63-761-3686	2020-08-25	65-353-0657
2	65-351-6434	2021-08-17	90-876-6799
3	36-917-2834	2021-08-14	73-873-4827
4	86-114-9232	2020-12-20	80-927-5246

```
In [14]:  # Create the corresponding dataframe for Table OrderDetails
          df_OrderDetails = df.filter(items=["Delivery Date","Delivery Cost", "Quantity", "Co
          # Rename columns as in DeliveryInfo Table
          df_OrderDetails = df_OrderDetails.rename(columns={"Delivery Date":"DeliveryDate","D

          # Display first rows of OrderDetails Table
          df_OrderDetails.head(5)
```

Out[14]:

	DeliveryDate	DeliveryCost	Quantity	CostPrice	Discount	AddressID	OrderID
0	2020-03-26	60.51	2	125.0	20.00	DARUOYAN-CHI-9930031-1	54-366-6861
1	2020-07-17	96.75	1	235.0	15.00	ONGJIN-NOR-216282-1	63-761-3686
2	2020-04-24	36.37	3	75.0	10.52	QUINCEMIL-PER-663246-1	65-351-6434
3	2020-04-13	5.49	3	220.0	11.23	SUSAKI-JAP-9870352-1	36-917-2834
4	2021-02-02	63.64	2	320.0	51.05	TOBRUK-LIB-351 01-1	86-114-9232

Task 2: Insert data into the Tables.

```
In [15]:  %%time

          #Insert records into the Table DeliveryAddress
```

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```python
try:
    insert_table_DeliveryAddress_sql = """INSERT INTO little_lemon_org_database.Del
    for i,row in df_DeliveryAddress.iterrows():
        cursor.execute(insert_table_DeliveryAddress_sql, tuple(row))
        cnx.commit()
    print(i+1, "Rows were successfully recorded in the Table DeliveryAddress.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

```
21000 Rows were successfully recorded in the Table DeliveryAddress.
CPU times: total: 15.5 s
Wall time: 20min 9s
```

In [16]:
```python
%%time

#Insert records into the Table Products
try:
    insert_table_Products_sql = """INSERT INTO little_lemon_org_database.Products V
    for i,row in df_Produts.iterrows():
        cursor.execute(insert_table_Products_sql, tuple(row))
        cnx.commit()
    print(i+1, "Rows were successfully recorded in the Table Products.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

```
107 Rows were successfully recorded in the Table Products.
CPU times: total: 31.2 ms
Wall time: 4.22 s
```

In [17]:
```python
%%time

#Insert records into the Table Customers
try:
    insert_table_Customers_sql = """INSERT INTO little_lemon_org_database.Customers
    for i,row in df_Customers.iterrows():
        cursor.execute(insert_table_Customers_sql, tuple(row))
        cnx.commit()
    print(i+1, "Rows were successfully recorded in the Table Customers.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

```
1000 Rows were successfully recorded in the Table Customers.
CPU times: total: 766 ms
Wall time: 48 s
```

In [18]:
```python
%%time

#Insert records into the Table Orders
try:
    insert_table_Orders_sql = """INSERT INTO little_lemon_org_database.Orders VALUE
    for i,row in df_Orders.iterrows():
```

```
            cursor.execute(insert_table_Orders_sql, tuple(row))
            cnx.commit()
        print(i+1, "Rows were successfully recorded in the Table Orders.")
    except Error as er:
        print("Something went wrong.")
        print("Error Code:", er.errno)
        print("Error Message:", er.msg)
```

```
1000 Rows were successfully recorded in the Table Orders.
CPU times: total: 594 ms
Wall time: 53.4 s
```

In [19]:
```
%%time

#Insert records into the Table OrderDetails
try:
    insert_table_OrderDetails_sql = """INSERT INTO little_lemon_org_database.OrderD
                                    DeliveryDate, DeliveryCost, Quantity, C
                                    Discount, AddressID, OrderID, ProductID
                                    VALUES (%s,%s,%s,%s,%s,%s,%s,%s)"""
    for i,row in df_OrderDetails.iterrows():
        cursor.execute(insert_table_OrderDetails_sql, tuple(row))
        cnx.commit()
    print(i+1, "Rows were successfully recorded in the Table OrderDetails.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

```
21000 Rows were successfully recorded in the Table OrderDetails.
CPU times: total: 17.3 s
Wall time: 19min 30s
```

Task 3: Create a stored procedure that returns the maximum quantity in an order.

In [20]:
```
#Stored Procedure GetMaxQuantity() that returns the maximum quantity in all orders
DropGetMaxQuantity_sql ="""DROP PROCEDURE IF EXISTS GetMaxQuantity;"""
GetMaxQuantity_sql = """CREATE PROCEDURE IF NOT EXISTS GetMaxQuantity (
    OUT MaxQuantity INT)
    BEGIN
        SELECT MAX(Quantity)
        FROM `orderdetails`
        INTO MaxQuantity;
    END"""

#Create the Stored Procedure
try:
    cursor.execute(DropGetMaxQuantity_sql)
    cursor.execute(GetMaxQuantity_sql)
    print("Procedure successfully created or already exists.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
```

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```
        print("Error Message:", er.msg)
```

Procedure successfully created or already exists.

In [21]:
```python
#Retrieve data from the Stored Procedure
args=['@MaxQuantity']

try:
    allResults=cursor.callproc('GetMaxQuantity', args)
    for eachResult in allResults:
        print('Maximum Quantity: ',eachResult)
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

Maximum Quantity: 3

In [22]:
```python
#Stored Procedure GetMaxQuantity() that returns the maximum quantity in an order
DropGetAllMaxQuantity_sql ="""DROP PROCEDURE IF EXISTS GetAllMaxQuantity;"""
GetAllMaxQuantity_sql ="""CREATE PROCEDURE IF NOT EXISTS GetAllMaxQuantity ()
    BEGIN
        SELECT OrderID, MAX(Quantity) AS 'Max Quantity'
        FROM `orderdetails`
        GROUP BY OrderID;
    END"""

#Create the Stored Procedure
try:
    cursor.execute(DropGetAllMaxQuantity_sql)
    cursor.execute(GetAllMaxQuantity_sql)
    print("Procedure successfully created or already exists.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

Procedure successfully created or already exists.

In [23]:
```python
#Retrieve data from the Stored Procedure
try:
    cursor.callproc('GetAllMaxQuantity')
    allResults=[]
    for eachResult in cursor.stored_results():
        ds = eachResult.fetchall()
        i=1
        for eachResult in ds:
            print('Result #', i, "- OrderID: ",eachResult[0],"- Quantity: ",eachRes
            i=i+1
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

```
Result #  1 - OrderID:   00-008-3271 - Quantity:   2
Result #  2 - OrderID:   00-283-3544 - Quantity:   2
Result #  3 - OrderID:   00-350-1396 - Quantity:   1
Result #  4 - OrderID:   00-451-8857 - Quantity:   1
Result #  5 - OrderID:   00-465-7031 - Quantity:   3
Result #  6 - OrderID:   00-618-9205 - Quantity:   3
Result #  7 - OrderID:   00-669-6040 - Quantity:   2
Result #  8 - OrderID:   00-799-3091 - Quantity:   3
Result #  9 - OrderID:   00-822-8333 - Quantity:   3
Result # 10 - OrderID:   00-965-9450 - Quantity:   2
Result # 11 - OrderID:   01-062-3384 - Quantity:   1
Result # 12 - OrderID:   01-423-8434 - Quantity:   3
Result # 13 - OrderID:   01-715-3869 - Quantity:   3
Result # 14 - OrderID:   01-733-5889 - Quantity:   1
Result # 15 - OrderID:   01-754-7255 - Quantity:   2
Result # 16 - OrderID:   01-855-8188 - Quantity:   3
Result # 17 - OrderID:   01-877-6020 - Quantity:   2
Result # 18 - OrderID:   01-879-8004 - Quantity:   3
Result # 19 - OrderID:   01-975-7149 - Quantity:   3
Result # 20 - OrderID:   01-981-5069 - Quantity:   2
Result # 21 - OrderID:   02-211-2785 - Quantity:   3
Result # 22 - OrderID:   02-266-1313 - Quantity:   2
Result # 23 - OrderID:   02-311-4674 - Quantity:   1
Result # 24 - OrderID:   02-569-3156 - Quantity:   1
Result # 25 - OrderID:   02-699-8406 - Quantity:   2
Result # 26 - OrderID:   02-715-2965 - Quantity:   3
Result # 27 - OrderID:   02-732-6800 - Quantity:   3
Result # 28 - OrderID:   02-938-1657 - Quantity:   1
Result # 29 - OrderID:   03-039-5845 - Quantity:   3
Result # 30 - OrderID:   03-132-2890 - Quantity:   2
Result # 31 - OrderID:   03-248-8148 - Quantity:   1
Result # 32 - OrderID:   03-297-4257 - Quantity:   2
Result # 33 - OrderID:   03-464-8128 - Quantity:   3
Result # 34 - OrderID:   03-555-7951 - Quantity:   2
Result # 35 - OrderID:   03-568-8174 - Quantity:   2
Result # 36 - OrderID:   03-825-5219 - Quantity:   2
Result # 37 - OrderID:   03-893-8767 - Quantity:   1
Result # 38 - OrderID:   03-955-4532 - Quantity:   1
Result # 39 - OrderID:   04-003-4647 - Quantity:   2
Result # 40 - OrderID:   04-238-9179 - Quantity:   1
Result # 41 - OrderID:   04-546-8049 - Quantity:   2
Result # 42 - OrderID:   04-743-8019 - Quantity:   1
Result # 43 - OrderID:   04-812-8753 - Quantity:   2
Result # 44 - OrderID:   04-904-4552 - Quantity:   2
Result # 45 - OrderID:   04-911-6551 - Quantity:   2
Result # 46 - OrderID:   04-976-7880 - Quantity:   2
Result # 47 - OrderID:   05-024-1112 - Quantity:   3
Result # 48 - OrderID:   05-318-1801 - Quantity:   1
Result # 49 - OrderID:   05-378-2914 - Quantity:   2
Result # 50 - OrderID:   05-410-4163 - Quantity:   3
Result # 51 - OrderID:   05-822-0829 - Quantity:   1
Result # 52 - OrderID:   05-825-9260 - Quantity:   1
Result # 53 - OrderID:   05-971-9045 - Quantity:   2
Result # 54 - OrderID:   05-982-4967 - Quantity:   2
Result # 55 - OrderID:   06-075-0174 - Quantity:   3
```

```
Result # 57 - OrderID:  06-457-9925 - Quantity:  1
Result # 58 - OrderID:  06-605-4865 - Quantity:  2
Result # 59 - OrderID:  06-705-6026 - Quantity:  3
Result # 60 - OrderID:  06-887-6332 - Quantity:  3
Result # 61 - OrderID:  06-934-9396 - Quantity:  2
Result # 62 - OrderID:  07-113-3748 - Quantity:  3
Result # 63 - OrderID:  07-116-3515 - Quantity:  2
Result # 64 - OrderID:  07-143-9471 - Quantity:  2
Result # 65 - OrderID:  07-244-2129 - Quantity:  2
Result # 66 - OrderID:  07-275-2696 - Quantity:  1
Result # 67 - OrderID:  07-312-6026 - Quantity:  2
Result # 68 - OrderID:  07-322-4153 - Quantity:  3
Result # 69 - OrderID:  07-634-6294 - Quantity:  2
Result # 70 - OrderID:  07-808-6932 - Quantity:  1
Result # 71 - OrderID:  08-152-8962 - Quantity:  2
Result # 72 - OrderID:  08-270-7581 - Quantity:  2
Result # 73 - OrderID:  08-309-3649 - Quantity:  3
Result # 74 - OrderID:  08-316-6754 - Quantity:  2
Result # 75 - OrderID:  08-483-5677 - Quantity:  3
Result # 76 - OrderID:  08-659-6030 - Quantity:  2
Result # 77 - OrderID:  08-660-0159 - Quantity:  1
Result # 78 - OrderID:  08-855-8354 - Quantity:  1
Result # 79 - OrderID:  08-940-9111 - Quantity:  3
Result # 80 - OrderID:  09-019-6593 - Quantity:  3
Result # 81 - OrderID:  09-058-1844 - Quantity:  3
Result # 82 - OrderID:  09-185-3204 - Quantity:  1
Result # 83 - OrderID:  09-229-1754 - Quantity:  3
Result # 84 - OrderID:  09-440-5820 - Quantity:  2
Result # 85 - OrderID:  09-481-5023 - Quantity:  3
Result # 86 - OrderID:  09-522-5385 - Quantity:  3
Result # 87 - OrderID:  09-896-5300 - Quantity:  2
Result # 88 - OrderID:  09-923-6077 - Quantity:  3
Result # 89 - OrderID:  10-030-5503 - Quantity:  2
Result # 90 - OrderID:  10-052-8149 - Quantity:  2
Result # 91 - OrderID:  10-120-0016 - Quantity:  1
Result # 92 - OrderID:  10-141-0121 - Quantity:  3
Result # 93 - OrderID:  10-150-2658 - Quantity:  1
Result # 94 - OrderID:  10-370-7784 - Quantity:  2
Result # 95 - OrderID:  10-390-3471 - Quantity:  2
Result # 96 - OrderID:  10-462-2908 - Quantity:  2
Result # 97 - OrderID:  10-621-7662 - Quantity:  1
Result # 98 - OrderID:  10-638-5334 - Quantity:  1
Result # 99 - OrderID:  10-814-8054 - Quantity:  2
Result # 100 - OrderID:  11-146-3342 - Quantity:  2
Result # 101 - OrderID:  11-244-2193 - Quantity:  3
Result # 102 - OrderID:  11-397-2150 - Quantity:  3
Result # 103 - OrderID:  11-446-2659 - Quantity:  3
Result # 104 - OrderID:  11-463-8439 - Quantity:  1
Result # 105 - OrderID:  11-486-8739 - Quantity:  1
Result # 106 - OrderID:  11-645-0948 - Quantity:  2
Result # 107 - OrderID:  11-648-9765 - Quantity:  2
Result # 108 - OrderID:  11-700-3520 - Quantity:  2
Result # 109 - OrderID:  11-741-2205 - Quantity:  1
Result # 110 - OrderID:  11-769-7584 - Quantity:  3
Result # 111 - OrderID:  11-776-8532 - Quantity:  1
```

```
Result # 113 - OrderID:  11-835-2932 - Quantity:  3
Result # 114 - OrderID:  11-858-8042 - Quantity:  1
Result # 115 - OrderID:  11-997-6382 - Quantity:  3
Result # 116 - OrderID:  12-128-2576 - Quantity:  3
Result # 117 - OrderID:  12-306-6646 - Quantity:  2
Result # 118 - OrderID:  12-346-4013 - Quantity:  2
Result # 119 - OrderID:  12-371-9369 - Quantity:  3
Result # 120 - OrderID:  12-605-1676 - Quantity:  2
Result # 121 - OrderID:  12-648-4718 - Quantity:  2
Result # 122 - OrderID:  12-718-1501 - Quantity:  3
Result # 123 - OrderID:  12-837-0577 - Quantity:  2
Result # 124 - OrderID:  13-018-1111 - Quantity:  3
Result # 125 - OrderID:  13-189-4080 - Quantity:  2
Result # 126 - OrderID:  13-235-5773 - Quantity:  1
Result # 127 - OrderID:  13-435-8115 - Quantity:  2
Result # 128 - OrderID:  13-469-9343 - Quantity:  2
Result # 129 - OrderID:  13-555-4988 - Quantity:  2
Result # 130 - OrderID:  13-673-8989 - Quantity:  1
Result # 131 - OrderID:  13-698-5271 - Quantity:  3
Result # 132 - OrderID:  13-912-7109 - Quantity:  2
Result # 133 - OrderID:  14-210-2413 - Quantity:  3
Result # 134 - OrderID:  14-224-3137 - Quantity:  2
Result # 135 - OrderID:  14-316-4950 - Quantity:  1
Result # 136 - OrderID:  14-376-2485 - Quantity:  3
Result # 137 - OrderID:  14-606-3655 - Quantity:  1
Result # 138 - OrderID:  14-648-5507 - Quantity:  2
Result # 139 - OrderID:  15-090-5294 - Quantity:  1
Result # 140 - OrderID:  15-190-8465 - Quantity:  2
Result # 141 - OrderID:  15-192-4862 - Quantity:  1
Result # 142 - OrderID:  15-197-3569 - Quantity:  1
Result # 143 - OrderID:  15-260-9895 - Quantity:  3
Result # 144 - OrderID:  15-272-2116 - Quantity:  2
Result # 145 - OrderID:  15-297-7741 - Quantity:  2
Result # 146 - OrderID:  15-307-8168 - Quantity:  1
Result # 147 - OrderID:  15-663-0481 - Quantity:  1
Result # 148 - OrderID:  15-667-9235 - Quantity:  2
Result # 149 - OrderID:  16-386-7757 - Quantity:  3
Result # 150 - OrderID:  16-609-1782 - Quantity:  3
Result # 151 - OrderID:  16-921-7992 - Quantity:  3
Result # 152 - OrderID:  16-946-9856 - Quantity:  1
Result # 153 - OrderID:  17-146-9681 - Quantity:  3
Result # 154 - OrderID:  17-253-1197 - Quantity:  2
Result # 155 - OrderID:  17-264-8555 - Quantity:  3
Result # 156 - OrderID:  17-396-0834 - Quantity:  2
Result # 157 - OrderID:  17-529-1692 - Quantity:  1
Result # 158 - OrderID:  17-586-7905 - Quantity:  2
Result # 159 - OrderID:  17-708-5350 - Quantity:  3
Result # 160 - OrderID:  17-851-5705 - Quantity:  2
Result # 161 - OrderID:  18-136-6969 - Quantity:  3
Result # 162 - OrderID:  18-237-6374 - Quantity:  2
Result # 163 - OrderID:  18-252-1922 - Quantity:  1
Result # 164 - OrderID:  18-359-3465 - Quantity:  1
Result # 165 - OrderID:  18-752-8277 - Quantity:  2
Result # 166 - OrderID:  18-944-2420 - Quantity:  2
Result # 167 - OrderID:  19-156-3010 - Quantity:  3
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Result # 169 - OrderID:  19-281-5590 - Quantity:  3
Result # 170 - OrderID:  19-329-8137 - Quantity:  2
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Result # 172 - OrderID:  19-530-8425 - Quantity:  2
Result # 173 - OrderID:  19-560-5489 - Quantity:  2
Result # 174 - OrderID:  19-768-2646 - Quantity:  3
Result # 175 - OrderID:  19-798-0585 - Quantity:  3
Result # 176 - OrderID:  19-953-6477 - Quantity:  1
Result # 177 - OrderID:  20-140-3398 - Quantity:  2
Result # 178 - OrderID:  20-205-9814 - Quantity:  2
Result # 179 - OrderID:  20-343-7160 - Quantity:  2
Result # 180 - OrderID:  20-698-8725 - Quantity:  1
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Result # 182 - OrderID:  21-104-5976 - Quantity:  3
Result # 183 - OrderID:  21-106-4079 - Quantity:  2
Result # 184 - OrderID:  21-164-7722 - Quantity:  2
Result # 185 - OrderID:  21-385-2808 - Quantity:  2
Result # 186 - OrderID:  21-627-1027 - Quantity:  2
Result # 187 - OrderID:  21-743-3530 - Quantity:  3
Result # 188 - OrderID:  21-844-2539 - Quantity:  2
Result # 189 - OrderID:  22-001-6016 - Quantity:  3
Result # 190 - OrderID:  22-130-4513 - Quantity:  3
Result # 191 - OrderID:  22-401-7510 - Quantity:  3
Result # 192 - OrderID:  22-437-6211 - Quantity:  2
Result # 193 - OrderID:  22-501-9215 - Quantity:  3
Result # 194 - OrderID:  22-561-9916 - Quantity:  2
Result # 195 - OrderID:  22-572-6325 - Quantity:  1
Result # 196 - OrderID:  22-697-0930 - Quantity:  3
Result # 197 - OrderID:  22-867-9098 - Quantity:  3
Result # 198 - OrderID:  22-872-7952 - Quantity:  1
Result # 199 - OrderID:  22-904-5860 - Quantity:  3
Result # 200 - OrderID:  22-906-5872 - Quantity:  3
Result # 201 - OrderID:  23-082-1065 - Quantity:  3
Result # 202 - OrderID:  23-153-9991 - Quantity:  3
Result # 203 - OrderID:  23-364-4571 - Quantity:  2
Result # 204 - OrderID:  23-382-0687 - Quantity:  2
Result # 205 - OrderID:  23-427-8106 - Quantity:  3
Result # 206 - OrderID:  23-582-1221 - Quantity:  3
Result # 207 - OrderID:  23-636-0824 - Quantity:  1
Result # 208 - OrderID:  23-760-0421 - Quantity:  2
Result # 209 - OrderID:  23-824-2201 - Quantity:  3
Result # 210 - OrderID:  23-898-9055 - Quantity:  3
Result # 211 - OrderID:  24-041-3369 - Quantity:  1
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Result # 213 - OrderID:  24-139-0192 - Quantity:  3
Result # 214 - OrderID:  24-314-4867 - Quantity:  3
Result # 215 - OrderID:  24-332-5305 - Quantity:  2
Result # 216 - OrderID:  24-339-0545 - Quantity:  3
Result # 217 - OrderID:  24-351-9777 - Quantity:  2
Result # 218 - OrderID:  24-502-2774 - Quantity:  3
Result # 219 - OrderID:  24-678-5042 - Quantity:  3
Result # 220 - OrderID:  24-690-6396 - Quantity:  1
Result # 221 - OrderID:  24-714-2660 - Quantity:  1
Result # 222 - OrderID:  24-934-3291 - Quantity:  3
Result # 223 - OrderID:  24-998-9967 - Quantity:  2
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Result # 227 - OrderID:  25-339-5566 - Quantity:  3
Result # 228 - OrderID:  25-432-8239 - Quantity:  2
Result # 229 - OrderID:  25-433-9492 - Quantity:  2
Result # 230 - OrderID:  25-485-3794 - Quantity:  1
Result # 231 - OrderID:  25-522-2006 - Quantity:  2
Result # 232 - OrderID:  25-621-0618 - Quantity:  3
Result # 233 - OrderID:  25-771-0744 - Quantity:  2
Result # 234 - OrderID:  25-850-5723 - Quantity:  2
Result # 235 - OrderID:  25-912-8989 - Quantity:  3
Result # 236 - OrderID:  26-231-8897 - Quantity:  3
Result # 237 - OrderID:  26-281-8125 - Quantity:  3
Result # 238 - OrderID:  26-326-8254 - Quantity:  2
Result # 239 - OrderID:  26-437-6628 - Quantity:  1
Result # 240 - OrderID:  26-461-5577 - Quantity:  3
Result # 241 - OrderID:  26-802-1005 - Quantity:  2
Result # 242 - OrderID:  26-929-8429 - Quantity:  1
Result # 243 - OrderID:  26-973-3455 - Quantity:  2
Result # 244 - OrderID:  27-077-0389 - Quantity:  2
Result # 245 - OrderID:  27-252-7456 - Quantity:  3
Result # 246 - OrderID:  27-295-8802 - Quantity:  3
Result # 247 - OrderID:  27-600-6800 - Quantity:  3
Result # 248 - OrderID:  27-774-9457 - Quantity:  3
Result # 249 - OrderID:  27-991-7078 - Quantity:  1
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Result # 251 - OrderID:  28-279-3419 - Quantity:  2
Result # 252 - OrderID:  28-341-5469 - Quantity:  3
Result # 253 - OrderID:  28-376-6551 - Quantity:  3
Result # 254 - OrderID:  28-387-3547 - Quantity:  2
Result # 255 - OrderID:  28-608-5137 - Quantity:  3
Result # 256 - OrderID:  28-703-1952 - Quantity:  1
Result # 257 - OrderID:  28-882-5933 - Quantity:  2
Result # 258 - OrderID:  28-960-2783 - Quantity:  2
Result # 259 - OrderID:  29-260-4008 - Quantity:  1
Result # 260 - OrderID:  29-353-4988 - Quantity:  2
Result # 261 - OrderID:  29-463-3688 - Quantity:  1
Result # 262 - OrderID:  29-546-8618 - Quantity:  3
Result # 263 - OrderID:  29-577-3059 - Quantity:  3
Result # 264 - OrderID:  29-587-2527 - Quantity:  3
Result # 265 - OrderID:  29-595-2468 - Quantity:  1
Result # 266 - OrderID:  29-600-4791 - Quantity:  3
Result # 267 - OrderID:  29-600-8355 - Quantity:  1
Result # 268 - OrderID:  29-601-2712 - Quantity:  3
Result # 269 - OrderID:  29-728-2837 - Quantity:  1
Result # 270 - OrderID:  29-773-5797 - Quantity:  3
Result # 271 - OrderID:  29-930-1681 - Quantity:  2
Result # 272 - OrderID:  29-947-3866 - Quantity:  2
Result # 273 - OrderID:  29-952-5748 - Quantity:  2
Result # 274 - OrderID:  30-032-8406 - Quantity:  3
Result # 275 - OrderID:  30-082-2867 - Quantity:  2
Result # 276 - OrderID:  30-087-5181 - Quantity:  1
Result # 277 - OrderID:  30-117-6174 - Quantity:  3
Result # 278 - OrderID:  30-124-4774 - Quantity:  3
Result # 279 - OrderID:  30-148-2955 - Quantity:  1
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Result # 282 - OrderID:   30-601-0133 - Quantity:   3
Result # 283 - OrderID:   30-715-2573 - Quantity:   3
Result # 284 - OrderID:   30-724-0380 - Quantity:   2
Result # 285 - OrderID:   30-790-3083 - Quantity:   3
Result # 286 - OrderID:   30-791-3047 - Quantity:   2
Result # 287 - OrderID:   30-867-3284 - Quantity:   2
Result # 288 - OrderID:   30-969-9125 - Quantity:   2
Result # 289 - OrderID:   31-014-4239 - Quantity:   2
Result # 290 - OrderID:   31-073-7194 - Quantity:   2
Result # 291 - OrderID:   31-087-9491 - Quantity:   1
Result # 292 - OrderID:   31-106-2180 - Quantity:   1
Result # 293 - OrderID:   31-121-8822 - Quantity:   3
Result # 294 - OrderID:   31-221-4991 - Quantity:   2
Result # 295 - OrderID:   31-255-9487 - Quantity:   1
Result # 296 - OrderID:   31-302-3952 - Quantity:   3
Result # 297 - OrderID:   31-340-1373 - Quantity:   3
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Result # 299 - OrderID:   31-405-1090 - Quantity:   3
Result # 300 - OrderID:   31-576-8678 - Quantity:   2
Result # 301 - OrderID:   31-593-0632 - Quantity:   3
Result # 302 - OrderID:   31-607-0351 - Quantity:   1
Result # 303 - OrderID:   31-669-5161 - Quantity:   2
Result # 304 - OrderID:   31-762-1168 - Quantity:   1
Result # 305 - OrderID:   31-807-7846 - Quantity:   1
Result # 306 - OrderID:   31-955-7364 - Quantity:   3
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Result # 309 - OrderID:   32-208-6721 - Quantity:   2
Result # 310 - OrderID:   32-317-3692 - Quantity:   1
Result # 311 - OrderID:   32-377-0706 - Quantity:   3
Result # 312 - OrderID:   32-483-3668 - Quantity:   1
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Result # 314 - OrderID:   32-698-1958 - Quantity:   3
Result # 315 - OrderID:   32-732-9550 - Quantity:   2
Result # 316 - OrderID:   32-783-7159 - Quantity:   1
Result # 317 - OrderID:   32-792-5231 - Quantity:   2
Result # 318 - OrderID:   32-923-9697 - Quantity:   1
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Result # 320 - OrderID:   33-177-2796 - Quantity:   1
Result # 321 - OrderID:   33-207-9048 - Quantity:   1
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Result # 323 - OrderID:   33-390-5032 - Quantity:   3
Result # 324 - OrderID:   33-395-8454 - Quantity:   2
Result # 325 - OrderID:   33-541-8718 - Quantity:   3
Result # 326 - OrderID:   33-583-4747 - Quantity:   1
Result # 327 - OrderID:   33-596-6321 - Quantity:   1
Result # 328 - OrderID:   33-667-2660 - Quantity:   2
Result # 329 - OrderID:   33-671-4773 - Quantity:   3
Result # 330 - OrderID:   33-755-4654 - Quantity:   2
Result # 331 - OrderID:   33-894-6676 - Quantity:   3
Result # 332 - OrderID:   33-930-0109 - Quantity:   1
Result # 333 - OrderID:   34-061-0340 - Quantity:   3
Result # 334 - OrderID:   34-230-0439 - Quantity:   1
Result # 335 - OrderID:   34-257-0115 - Quantity:   2
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Result # 340 - OrderID:  34-631-7695 - Quantity:  2
Result # 341 - OrderID:  34-970-4387 - Quantity:  2
Result # 342 - OrderID:  35-067-3364 - Quantity:  2
Result # 343 - OrderID:  35-174-3155 - Quantity:  2
Result # 344 - OrderID:  35-326-1148 - Quantity:  3
Result # 345 - OrderID:  35-371-2486 - Quantity:  2
Result # 346 - OrderID:  35-427-7418 - Quantity:  3
Result # 347 - OrderID:  35-460-4013 - Quantity:  1
Result # 348 - OrderID:  35-587-5940 - Quantity:  3
Result # 349 - OrderID:  35-759-1971 - Quantity:  1
Result # 350 - OrderID:  35-795-9456 - Quantity:  2
Result # 351 - OrderID:  35-884-9148 - Quantity:  3
Result # 352 - OrderID:  35-907-6473 - Quantity:  2
Result # 353 - OrderID:  35-988-0040 - Quantity:  3
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Result # 355 - OrderID:  36-290-7816 - Quantity:  2
Result # 356 - OrderID:  36-383-1600 - Quantity:  2
Result # 357 - OrderID:  36-478-2126 - Quantity:  2
Result # 358 - OrderID:  36-480-1277 - Quantity:  2
Result # 359 - OrderID:  36-505-9404 - Quantity:  2
Result # 360 - OrderID:  36-779-8330 - Quantity:  3
Result # 361 - OrderID:  36-816-5383 - Quantity:  3
Result # 362 - OrderID:  36-898-0004 - Quantity:  3
Result # 363 - OrderID:  36-917-2834 - Quantity:  3
Result # 364 - OrderID:  36-928-2921 - Quantity:  2
Result # 365 - OrderID:  37-082-5374 - Quantity:  2
Result # 366 - OrderID:  37-103-3005 - Quantity:  3
Result # 367 - OrderID:  37-255-6435 - Quantity:  3
Result # 368 - OrderID:  37-273-5241 - Quantity:  3
Result # 369 - OrderID:  37-398-9630 - Quantity:  2
Result # 370 - OrderID:  37-474-6061 - Quantity:  2
Result # 371 - OrderID:  37-563-3518 - Quantity:  1
Result # 372 - OrderID:  37-656-4777 - Quantity:  3
Result # 373 - OrderID:  37-675-7898 - Quantity:  3
Result # 374 - OrderID:  37-691-9097 - Quantity:  1
Result # 375 - OrderID:  37-765-3279 - Quantity:  1
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Result # 377 - OrderID:  38-295-3172 - Quantity:  3
Result # 378 - OrderID:  38-478-1265 - Quantity:  3
Result # 379 - OrderID:  38-624-7763 - Quantity:  2
Result # 380 - OrderID:  38-694-5330 - Quantity:  3
Result # 381 - OrderID:  38-750-7959 - Quantity:  1
Result # 382 - OrderID:  38-969-7419 - Quantity:  1
Result # 383 - OrderID:  38-994-1709 - Quantity:  1
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Result # 385 - OrderID:  39-130-1094 - Quantity:  2
Result # 386 - OrderID:  39-201-1204 - Quantity:  3
Result # 387 - OrderID:  39-547-3173 - Quantity:  1
Result # 388 - OrderID:  39-607-8115 - Quantity:  1
Result # 389 - OrderID:  39-613-0627 - Quantity:  2
Result # 390 - OrderID:  39-647-4894 - Quantity:  2
Result # 391 - OrderID:  39-843-1059 - Quantity:  2
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Result # 395 - OrderID:   40-192-8164 - Quantity:   3
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Result # 397 - OrderID:   40-429-8594 - Quantity:   3
Result # 398 - OrderID:   40-476-8892 - Quantity:   3
Result # 399 - OrderID:   40-486-8511 - Quantity:   3
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Result # 408 - OrderID:   41-328-2835 - Quantity:   3
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Result # 410 - OrderID:   41-597-5931 - Quantity:   3
Result # 411 - OrderID:   41-622-4465 - Quantity:   2
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Result # 416 - OrderID:   42-303-1476 - Quantity:   1
Result # 417 - OrderID:   42-438-0394 - Quantity:   1
Result # 418 - OrderID:   42-829-4772 - Quantity:   3
Result # 419 - OrderID:   42-906-2475 - Quantity:   3
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Result # 422 - OrderID:   43-109-7017 - Quantity:   2
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Result # 424 - OrderID:   43-238-0006 - Quantity:   1
Result # 425 - OrderID:   43-461-0935 - Quantity:   1
Result # 426 - OrderID:   43-566-9850 - Quantity:   3
Result # 427 - OrderID:   43-634-6121 - Quantity:   3
Result # 428 - OrderID:   43-663-3135 - Quantity:   2
Result # 429 - OrderID:   43-718-3224 - Quantity:   1
Result # 430 - OrderID:   43-720-3267 - Quantity:   3
Result # 431 - OrderID:   43-799-4873 - Quantity:   2
Result # 432 - OrderID:   43-850-7830 - Quantity:   3
Result # 433 - OrderID:   43-918-0203 - Quantity:   3
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Result # 435 - OrderID:   44-357-1100 - Quantity:   1
Result # 436 - OrderID:   44-379-6825 - Quantity:   3
Result # 437 - OrderID:   44-439-4440 - Quantity:   2
Result # 438 - OrderID:   44-701-3012 - Quantity:   2
Result # 439 - OrderID:   44-877-6595 - Quantity:   2
Result # 440 - OrderID:   44-969-2805 - Quantity:   3
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Result # 442 - OrderID:   45-043-4851 - Quantity:   2
Result # 443 - OrderID:   45-153-3592 - Quantity:   2
Result # 444 - OrderID:   45-381-3607 - Quantity:   1
Result # 445 - OrderID:   45-436-6764 - Quantity:   3
Result # 446 - OrderID:   45-486-4534 - Quantity:   2
Result # 447 - OrderID:   45-519-3808 - Quantity:   2
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Result # 453 - OrderID:  46-072-3557 - Quantity:  3
Result # 454 - OrderID:  46-138-6582 - Quantity:  2
Result # 455 - OrderID:  46-301-6761 - Quantity:  3
Result # 456 - OrderID:  46-576-0301 - Quantity:  2
Result # 457 - OrderID:  46-627-8981 - Quantity:  3
Result # 458 - OrderID:  46-671-2432 - Quantity:  3
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Result # 462 - OrderID:  46-796-5628 - Quantity:  3
Result # 463 - OrderID:  46-892-9399 - Quantity:  3
Result # 464 - OrderID:  46-969-1933 - Quantity:  2
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Result # 466 - OrderID:  47-084-5361 - Quantity:  3
Result # 467 - OrderID:  47-102-5062 - Quantity:  3
Result # 468 - OrderID:  47-198-9429 - Quantity:  1
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Result # 470 - OrderID:  47-612-6340 - Quantity:  3
Result # 471 - OrderID:  47-760-3761 - Quantity:  1
Result # 472 - OrderID:  47-940-7720 - Quantity:  3
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Result # 475 - OrderID:  48-873-2607 - Quantity:  3
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Result # 478 - OrderID:  49-366-5985 - Quantity:  1
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Result # 481 - OrderID:  49-429-0115 - Quantity:  1
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Result # 483 - OrderID:  49-841-5624 - Quantity:  2
Result # 484 - OrderID:  49-934-7149 - Quantity:  1
Result # 485 - OrderID:  49-961-9885 - Quantity:  3
Result # 486 - OrderID:  50-030-7130 - Quantity:  3
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Result # 488 - OrderID:  50-185-4137 - Quantity:  2
Result # 489 - OrderID:  50-370-8158 - Quantity:  1
Result # 490 - OrderID:  50-475-9958 - Quantity:  3
Result # 491 - OrderID:  50-617-3367 - Quantity:  2
Result # 492 - OrderID:  50-696-6686 - Quantity:  1
Result # 493 - OrderID:  50-747-1156 - Quantity:  3
Result # 494 - OrderID:  50-817-8023 - Quantity:  1
Result # 495 - OrderID:  50-818-0337 - Quantity:  1
Result # 496 - OrderID:  51-007-0849 - Quantity:  2
Result # 497 - OrderID:  51-062-8739 - Quantity:  2
Result # 498 - OrderID:  51-247-0503 - Quantity:  2
Result # 499 - OrderID:  51-287-9364 - Quantity:  3
Result # 500 - OrderID:  51-290-4538 - Quantity:  1
Result # 501 - OrderID:  51-322-7429 - Quantity:  2
Result # 502 - OrderID:  51-349-8226 - Quantity:  3
Result # 503 - OrderID:  51-420-8292 - Quantity:  3
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Result # 505 - OrderID:  51-493-6866 - Quantity:  3
Result # 506 - OrderID:  51-955-2727 - Quantity:  1
Result # 507 - OrderID:  51-959-4742 - Quantity:  1
Result # 508 - OrderID:  51-960-7680 - Quantity:  1
Result # 509 - OrderID:  52-071-2704 - Quantity:  3
Result # 510 - OrderID:  52-104-3482 - Quantity:  1
Result # 511 - OrderID:  52-152-3371 - Quantity:  3
Result # 512 - OrderID:  52-348-6923 - Quantity:  2
Result # 513 - OrderID:  52-523-5327 - Quantity:  2
Result # 514 - OrderID:  52-708-9153 - Quantity:  1
Result # 515 - OrderID:  52-905-6091 - Quantity:  2
Result # 516 - OrderID:  52-984-2592 - Quantity:  1
Result # 517 - OrderID:  53-068-3680 - Quantity:  3
Result # 518 - OrderID:  53-131-0339 - Quantity:  1
Result # 519 - OrderID:  53-322-3671 - Quantity:  2
Result # 520 - OrderID:  53-401-6179 - Quantity:  3
Result # 521 - OrderID:  53-412-8787 - Quantity:  2
Result # 522 - OrderID:  53-430-9568 - Quantity:  1
Result # 523 - OrderID:  53-433-8071 - Quantity:  2
Result # 524 - OrderID:  53-494-9541 - Quantity:  2
Result # 525 - OrderID:  53-504-3875 - Quantity:  3
Result # 526 - OrderID:  53-541-9522 - Quantity:  2
Result # 527 - OrderID:  53-563-4345 - Quantity:  2
Result # 528 - OrderID:  53-585-4586 - Quantity:  3
Result # 529 - OrderID:  53-622-3155 - Quantity:  3
Result # 530 - OrderID:  53-661-8226 - Quantity:  2
Result # 531 - OrderID:  53-763-8296 - Quantity:  1
Result # 532 - OrderID:  53-851-0542 - Quantity:  1
Result # 533 - OrderID:  53-925-0103 - Quantity:  3
Result # 534 - OrderID:  53-974-4637 - Quantity:  2
Result # 535 - OrderID:  54-080-0702 - Quantity:  2
Result # 536 - OrderID:  54-162-7684 - Quantity:  3
Result # 537 - OrderID:  54-322-1808 - Quantity:  3
Result # 538 - OrderID:  54-366-6861 - Quantity:  2
Result # 539 - OrderID:  54-413-3195 - Quantity:  3
Result # 540 - OrderID:  54-501-1389 - Quantity:  3
Result # 541 - OrderID:  54-555-7832 - Quantity:  3
Result # 542 - OrderID:  54-800-8042 - Quantity:  2
Result # 543 - OrderID:  54-815-3308 - Quantity:  1
Result # 544 - OrderID:  55-209-0374 - Quantity:  2
Result # 545 - OrderID:  55-250-4051 - Quantity:  1
Result # 546 - OrderID:  55-263-8669 - Quantity:  3
Result # 547 - OrderID:  55-443-2920 - Quantity:  2
Result # 548 - OrderID:  55-592-1782 - Quantity:  2
Result # 549 - OrderID:  55-619-8849 - Quantity:  3
Result # 550 - OrderID:  55-676-1998 - Quantity:  3
Result # 551 - OrderID:  55-734-7101 - Quantity:  3
Result # 552 - OrderID:  55-932-3347 - Quantity:  1
Result # 553 - OrderID:  56-076-6137 - Quantity:  2
Result # 554 - OrderID:  56-184-4508 - Quantity:  3
Result # 555 - OrderID:  56-195-4013 - Quantity:  3
Result # 556 - OrderID:  56-271-4185 - Quantity:  3
Result # 557 - OrderID:  56-307-1423 - Quantity:  1
Result # 558 - OrderID:  56-331-9919 - Quantity:  3
Result # 559 - OrderID:  56-545-1829 - Quantity:  1
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Result # 561 - OrderID:  56-775-4607 - Quantity:  3
Result # 562 - OrderID:  56-840-9304 - Quantity:  2
Result # 563 - OrderID:  56-933-2115 - Quantity:  3
Result # 564 - OrderID:  57-393-6200 - Quantity:  1
Result # 565 - OrderID:  57-417-7291 - Quantity:  3
Result # 566 - OrderID:  57-683-6723 - Quantity:  2
Result # 567 - OrderID:  57-755-0191 - Quantity:  1
Result # 568 - OrderID:  57-761-6559 - Quantity:  1
Result # 569 - OrderID:  57-773-2064 - Quantity:  2
Result # 570 - OrderID:  58-064-3049 - Quantity:  3
Result # 571 - OrderID:  58-115-0437 - Quantity:  2
Result # 572 - OrderID:  58-149-3499 - Quantity:  3
Result # 573 - OrderID:  58-251-6487 - Quantity:  3
Result # 574 - OrderID:  58-287-7773 - Quantity:  3
Result # 575 - OrderID:  58-300-9513 - Quantity:  1
Result # 576 - OrderID:  58-326-4792 - Quantity:  3
Result # 577 - OrderID:  58-376-5889 - Quantity:  2
Result # 578 - OrderID:  58-419-3322 - Quantity:  3
Result # 579 - OrderID:  58-753-8307 - Quantity:  3
Result # 580 - OrderID:  59-023-1187 - Quantity:  3
Result # 581 - OrderID:  59-380-4206 - Quantity:  3
Result # 582 - OrderID:  59-493-4419 - Quantity:  2
Result # 583 - OrderID:  59-613-6838 - Quantity:  1
Result # 584 - OrderID:  59-617-9817 - Quantity:  2
Result # 585 - OrderID:  59-738-2614 - Quantity:  2
Result # 586 - OrderID:  59-784-8988 - Quantity:  2
Result # 587 - OrderID:  59-971-2896 - Quantity:  3
Result # 588 - OrderID:  60-009-2815 - Quantity:  3
Result # 589 - OrderID:  60-078-2571 - Quantity:  2
Result # 590 - OrderID:  60-081-1759 - Quantity:  1
Result # 591 - OrderID:  60-197-5739 - Quantity:  3
Result # 592 - OrderID:  60-230-9043 - Quantity:  1
Result # 593 - OrderID:  60-270-8291 - Quantity:  1
Result # 594 - OrderID:  60-600-4172 - Quantity:  3
Result # 595 - OrderID:  60-725-6733 - Quantity:  2
Result # 596 - OrderID:  60-885-4424 - Quantity:  1
Result # 597 - OrderID:  60-913-9847 - Quantity:  2
Result # 598 - OrderID:  61-057-1975 - Quantity:  3
Result # 599 - OrderID:  61-096-3317 - Quantity:  1
Result # 600 - OrderID:  61-097-0206 - Quantity:  3
Result # 601 - OrderID:  61-185-3517 - Quantity:  1
Result # 602 - OrderID:  61-501-5110 - Quantity:  3
Result # 603 - OrderID:  61-509-9344 - Quantity:  3
Result # 604 - OrderID:  61-533-3161 - Quantity:  3
Result # 605 - OrderID:  61-618-8783 - Quantity:  3
Result # 606 - OrderID:  61-622-8419 - Quantity:  3
Result # 607 - OrderID:  61-720-5633 - Quantity:  2
Result # 608 - OrderID:  61-721-9793 - Quantity:  2
Result # 609 - OrderID:  61-729-8958 - Quantity:  3
Result # 610 - OrderID:  61-753-0334 - Quantity:  1
Result # 611 - OrderID:  61-799-5380 - Quantity:  2
Result # 612 - OrderID:  61-841-5883 - Quantity:  3
Result # 613 - OrderID:  62-086-4242 - Quantity:  3
Result # 614 - OrderID:  62-201-9287 - Quantity:  3
Result # 615 - OrderID:  62-507-3661 - Quantity:  2
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Result # 617 - OrderID:  62-768-3976 - Quantity:  2
Result # 618 - OrderID:  62-918-2454 - Quantity:  2
Result # 619 - OrderID:  63-204-3800 - Quantity:  2
Result # 620 - OrderID:  63-236-3555 - Quantity:  1
Result # 621 - OrderID:  63-346-9064 - Quantity:  1
Result # 622 - OrderID:  63-453-3505 - Quantity:  1
Result # 623 - OrderID:  63-500-9286 - Quantity:  3
Result # 624 - OrderID:  63-555-6345 - Quantity:  3
Result # 625 - OrderID:  63-761-3686 - Quantity:  1
Result # 626 - OrderID:  64-051-9774 - Quantity:  2
Result # 627 - OrderID:  64-141-5718 - Quantity:  3
Result # 628 - OrderID:  64-427-6469 - Quantity:  2
Result # 629 - OrderID:  64-446-6092 - Quantity:  3
Result # 630 - OrderID:  64-569-9390 - Quantity:  3
Result # 631 - OrderID:  64-718-6202 - Quantity:  2
Result # 632 - OrderID:  64-918-4744 - Quantity:  3
Result # 633 - OrderID:  64-941-6067 - Quantity:  2
Result # 634 - OrderID:  65-080-5283 - Quantity:  1
Result # 635 - OrderID:  65-170-4476 - Quantity:  2
Result # 636 - OrderID:  65-249-5260 - Quantity:  3
Result # 637 - OrderID:  65-262-1387 - Quantity:  3
Result # 638 - OrderID:  65-301-1388 - Quantity:  2
Result # 639 - OrderID:  65-311-3002 - Quantity:  2
Result # 640 - OrderID:  65-329-2436 - Quantity:  3
Result # 641 - OrderID:  65-351-6434 - Quantity:  3
Result # 642 - OrderID:  65-386-4145 - Quantity:  2
Result # 643 - OrderID:  65-428-6495 - Quantity:  2
Result # 644 - OrderID:  65-432-1983 - Quantity:  3
Result # 645 - OrderID:  65-451-1818 - Quantity:  2
Result # 646 - OrderID:  65-485-7254 - Quantity:  3
Result # 647 - OrderID:  65-907-3127 - Quantity:  1
Result # 648 - OrderID:  65-919-0733 - Quantity:  3
Result # 649 - OrderID:  65-966-4872 - Quantity:  2
Result # 650 - OrderID:  66-056-8690 - Quantity:  3
Result # 651 - OrderID:  66-068-8313 - Quantity:  2
Result # 652 - OrderID:  66-188-6911 - Quantity:  3
Result # 653 - OrderID:  66-276-1471 - Quantity:  2
Result # 654 - OrderID:  66-392-1377 - Quantity:  2
Result # 655 - OrderID:  66-501-9308 - Quantity:  2
Result # 656 - OrderID:  66-525-3598 - Quantity:  3
Result # 657 - OrderID:  66-576-7484 - Quantity:  2
Result # 658 - OrderID:  66-610-1519 - Quantity:  2
Result # 659 - OrderID:  66-665-1879 - Quantity:  1
Result # 660 - OrderID:  66-679-8766 - Quantity:  3
Result # 661 - OrderID:  66-721-3658 - Quantity:  2
Result # 662 - OrderID:  67-009-1409 - Quantity:  3
Result # 663 - OrderID:  67-067-9693 - Quantity:  2
Result # 664 - OrderID:  67-156-1140 - Quantity:  2
Result # 665 - OrderID:  67-172-7841 - Quantity:  2
Result # 666 - OrderID:  67-382-6166 - Quantity:  3
Result # 667 - OrderID:  67-413-6177 - Quantity:  1
Result # 668 - OrderID:  67-455-5976 - Quantity:  1
Result # 669 - OrderID:  67-709-5581 - Quantity:  1
Result # 670 - OrderID:  67-723-0322 - Quantity:  2
Result # 671 - OrderID:  67-748-7876 - Quantity:  2
                                            ty:  3
```

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Result # 673 - OrderID:   67-813-5657 - Quantity:   2
Result # 674 - OrderID:   67-816-5527 - Quantity:   3
Result # 675 - OrderID:   67-961-1567 - Quantity:   2
Result # 676 - OrderID:   68-012-9190 - Quantity:   2
Result # 677 - OrderID:   68-226-7897 - Quantity:   2
Result # 678 - OrderID:   68-323-6449 - Quantity:   1
Result # 679 - OrderID:   68-365-1512 - Quantity:   3
Result # 680 - OrderID:   68-391-0908 - Quantity:   3
Result # 681 - OrderID:   68-473-3919 - Quantity:   1
Result # 682 - OrderID:   68-844-1159 - Quantity:   1
Result # 683 - OrderID:   69-218-2694 - Quantity:   2
Result # 684 - OrderID:   69-254-6693 - Quantity:   3
Result # 685 - OrderID:   69-361-9646 - Quantity:   1
Result # 686 - OrderID:   69-562-1762 - Quantity:   3
Result # 687 - OrderID:   69-607-3610 - Quantity:   2
Result # 688 - OrderID:   69-624-5454 - Quantity:   3
Result # 689 - OrderID:   69-765-1585 - Quantity:   1
Result # 690 - OrderID:   69-780-6998 - Quantity:   3
Result # 691 - OrderID:   69-817-5553 - Quantity:   2
Result # 692 - OrderID:   69-817-7678 - Quantity:   3
Result # 693 - OrderID:   70-276-7176 - Quantity:   3
Result # 694 - OrderID:   70-349-8770 - Quantity:   2
Result # 695 - OrderID:   70-350-8506 - Quantity:   2
Result # 696 - OrderID:   70-365-1885 - Quantity:   3
Result # 697 - OrderID:   70-424-5723 - Quantity:   3
Result # 698 - OrderID:   70-821-6798 - Quantity:   2
Result # 699 - OrderID:   71-140-6745 - Quantity:   2
Result # 700 - OrderID:   71-188-6549 - Quantity:   2
Result # 701 - OrderID:   71-197-3844 - Quantity:   3
Result # 702 - OrderID:   71-274-0068 - Quantity:   1
Result # 703 - OrderID:   71-373-6387 - Quantity:   2
Result # 704 - OrderID:   71-409-7516 - Quantity:   2
Result # 705 - OrderID:   71-440-8512 - Quantity:   2
Result # 706 - OrderID:   71-485-0830 - Quantity:   3
Result # 707 - OrderID:   71-516-9998 - Quantity:   2
Result # 708 - OrderID:   71-828-3556 - Quantity:   3
Result # 709 - OrderID:   71-925-2450 - Quantity:   3
Result # 710 - OrderID:   72-015-0440 - Quantity:   1
Result # 711 - OrderID:   72-099-2457 - Quantity:   3
Result # 712 - OrderID:   72-207-0940 - Quantity:   2
Result # 713 - OrderID:   72-306-1723 - Quantity:   3
Result # 714 - OrderID:   72-325-3096 - Quantity:   2
Result # 715 - OrderID:   72-727-1317 - Quantity:   1
Result # 716 - OrderID:   72-823-6963 - Quantity:   3
Result # 717 - OrderID:   73-375-8634 - Quantity:   3
Result # 718 - OrderID:   73-455-3435 - Quantity:   3
Result # 719 - OrderID:   73-876-5941 - Quantity:   2
Result # 720 - OrderID:   73-900-4790 - Quantity:   1
Result # 721 - OrderID:   73-985-2542 - Quantity:   3
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Result # 723 - OrderID:   74-034-2507 - Quantity:   2
Result # 724 - OrderID:   74-302-4817 - Quantity:   3
Result # 725 - OrderID:   74-314-5556 - Quantity:   2
Result # 726 - OrderID:   74-339-3540 - Quantity:   3
Result # 727 - OrderID:   74-346-3086 - Quantity:   3
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Result # 729 - OrderID:  74-603-8937 - Quantity:  3
Result # 730 - OrderID:  74-776-4460 - Quantity:  2
Result # 731 - OrderID:  74-980-5294 - Quantity:  1
Result # 732 - OrderID:  75-362-1645 - Quantity:  1
Result # 733 - OrderID:  75-421-5444 - Quantity:  2
Result # 734 - OrderID:  75-463-0491 - Quantity:  3
Result # 735 - OrderID:  75-556-0225 - Quantity:  2
Result # 736 - OrderID:  75-606-4195 - Quantity:  2
Result # 737 - OrderID:  75-655-7346 - Quantity:  3
Result # 738 - OrderID:  75-714-6097 - Quantity:  3
Result # 739 - OrderID:  75-786-1124 - Quantity:  3
Result # 740 - OrderID:  75-883-4614 - Quantity:  3
Result # 741 - OrderID:  76-063-7709 - Quantity:  3
Result # 742 - OrderID:  76-176-1093 - Quantity:  1
Result # 743 - OrderID:  76-194-5836 - Quantity:  2
Result # 744 - OrderID:  76-201-5085 - Quantity:  3
Result # 745 - OrderID:  76-334-1448 - Quantity:  2
Result # 746 - OrderID:  76-380-8355 - Quantity:  2
Result # 747 - OrderID:  76-437-5698 - Quantity:  3
Result # 748 - OrderID:  76-509-2544 - Quantity:  2
Result # 749 - OrderID:  76-522-9855 - Quantity:  1
Result # 750 - OrderID:  76-627-0236 - Quantity:  2
Result # 751 - OrderID:  76-705-8000 - Quantity:  3
Result # 752 - OrderID:  76-746-0202 - Quantity:  3
Result # 753 - OrderID:  76-763-0657 - Quantity:  3
Result # 754 - OrderID:  76-769-5168 - Quantity:  1
Result # 755 - OrderID:  76-855-7164 - Quantity:  2
Result # 756 - OrderID:  76-867-4343 - Quantity:  2
Result # 757 - OrderID:  76-913-8795 - Quantity:  2
Result # 758 - OrderID:  77-083-7289 - Quantity:  1
Result # 759 - OrderID:  77-165-4390 - Quantity:  3
Result # 760 - OrderID:  77-180-0305 - Quantity:  1
Result # 761 - OrderID:  77-206-4888 - Quantity:  1
Result # 762 - OrderID:  77-325-6969 - Quantity:  1
Result # 763 - OrderID:  77-367-2436 - Quantity:  3
Result # 764 - OrderID:  77-527-7922 - Quantity:  1
Result # 765 - OrderID:  77-561-4347 - Quantity:  2
Result # 766 - OrderID:  77-635-7433 - Quantity:  1
Result # 767 - OrderID:  77-779-8790 - Quantity:  1
Result # 768 - OrderID:  77-827-0603 - Quantity:  3
Result # 769 - OrderID:  77-889-7684 - Quantity:  2
Result # 770 - OrderID:  77-904-4749 - Quantity:  2
Result # 771 - OrderID:  77-986-1901 - Quantity:  2
Result # 772 - OrderID:  78-040-2505 - Quantity:  2
Result # 773 - OrderID:  78-204-9950 - Quantity:  2
Result # 774 - OrderID:  78-214-6816 - Quantity:  3
Result # 775 - OrderID:  78-352-3174 - Quantity:  3
Result # 776 - OrderID:  78-407-9810 - Quantity:  3
Result # 777 - OrderID:  78-692-7008 - Quantity:  3
Result # 778 - OrderID:  78-803-3890 - Quantity:  1
Result # 779 - OrderID:  78-806-0853 - Quantity:  1
Result # 780 - OrderID:  79-268-0334 - Quantity:  2
Result # 781 - OrderID:  79-518-4381 - Quantity:  3
Result # 782 - OrderID:  79-555-6824 - Quantity:  2
Result # 783 - OrderID:  79-627-2533 - Quantity:  2
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Result # 785 - OrderID:  79-850-0887 - Quantity:  3
Result # 786 - OrderID:  79-946-2742 - Quantity:  3
Result # 787 - OrderID:  80-076-4032 - Quantity:  2
Result # 788 - OrderID:  80-215-3898 - Quantity:  2
Result # 789 - OrderID:  80-258-5757 - Quantity:  3
Result # 790 - OrderID:  80-349-3939 - Quantity:  3
Result # 791 - OrderID:  80-461-9387 - Quantity:  1
Result # 792 - OrderID:  80-489-4967 - Quantity:  1
Result # 793 - OrderID:  80-544-0183 - Quantity:  2
Result # 794 - OrderID:  80-616-9335 - Quantity:  1
Result # 795 - OrderID:  80-720-7802 - Quantity:  3
Result # 796 - OrderID:  80-727-2984 - Quantity:  1
Result # 797 - OrderID:  80-768-1365 - Quantity:  3
Result # 798 - OrderID:  80-784-2924 - Quantity:  3
Result # 799 - OrderID:  80-890-3871 - Quantity:  3
Result # 800 - OrderID:  80-923-1183 - Quantity:  1
Result # 801 - OrderID:  80-984-7751 - Quantity:  3
Result # 802 - OrderID:  81-109-8738 - Quantity:  1
Result # 803 - OrderID:  81-491-8325 - Quantity:  3
Result # 804 - OrderID:  81-493-5555 - Quantity:  2
Result # 805 - OrderID:  81-653-6035 - Quantity:  2
Result # 806 - OrderID:  81-819-6997 - Quantity:  1
Result # 807 - OrderID:  81-875-5053 - Quantity:  1
Result # 808 - OrderID:  81-881-8993 - Quantity:  3
Result # 809 - OrderID:  81-898-7131 - Quantity:  1
Result # 810 - OrderID:  81-940-9983 - Quantity:  2
Result # 811 - OrderID:  82-090-4450 - Quantity:  3
Result # 812 - OrderID:  82-287-7415 - Quantity:  1
Result # 813 - OrderID:  82-410-4692 - Quantity:  3
Result # 814 - OrderID:  82-422-7097 - Quantity:  3
Result # 815 - OrderID:  82-445-5186 - Quantity:  1
Result # 816 - OrderID:  82-505-2050 - Quantity:  3
Result # 817 - OrderID:  82-589-4385 - Quantity:  3
Result # 818 - OrderID:  82-639-1298 - Quantity:  2
Result # 819 - OrderID:  82-799-6775 - Quantity:  2
Result # 820 - OrderID:  83-217-3894 - Quantity:  3
Result # 821 - OrderID:  83-220-9837 - Quantity:  2
Result # 822 - OrderID:  83-262-1365 - Quantity:  3
Result # 823 - OrderID:  83-336-8250 - Quantity:  1
Result # 824 - OrderID:  83-499-1350 - Quantity:  3
Result # 825 - OrderID:  83-547-0450 - Quantity:  3
Result # 826 - OrderID:  83-584-6805 - Quantity:  1
Result # 827 - OrderID:  83-597-0985 - Quantity:  2
Result # 828 - OrderID:  83-687-4769 - Quantity:  3
Result # 829 - OrderID:  83-924-4913 - Quantity:  3
Result # 830 - OrderID:  84-007-9095 - Quantity:  3
Result # 831 - OrderID:  84-017-7714 - Quantity:  1
Result # 832 - OrderID:  84-039-6634 - Quantity:  2
Result # 833 - OrderID:  84-041-9180 - Quantity:  1
Result # 834 - OrderID:  84-561-9421 - Quantity:  1
Result # 835 - OrderID:  84-632-0013 - Quantity:  1
Result # 836 - OrderID:  84-681-6641 - Quantity:  2
Result # 837 - OrderID:  84-707-3314 - Quantity:  3
Result # 838 - OrderID:  84-724-9712 - Quantity:  2
Result # 839 - OrderID:  84-854-1349 - Quantity:  1
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Result # 842 - OrderID:  84-951-9107 - Quantity:  1
Result # 843 - OrderID:  84-976-0893 - Quantity:  3
Result # 844 - OrderID:  85-196-6451 - Quantity:  2
Result # 845 - OrderID:  85-313-3288 - Quantity:  2
Result # 846 - OrderID:  85-463-0651 - Quantity:  1
Result # 847 - OrderID:  85-559-9663 - Quantity:  3
Result # 848 - OrderID:  85-569-0097 - Quantity:  2
Result # 849 - OrderID:  85-580-7392 - Quantity:  1
Result # 850 - OrderID:  85-795-3011 - Quantity:  1
Result # 851 - OrderID:  85-868-5544 - Quantity:  2
Result # 852 - OrderID:  85-912-4773 - Quantity:  1
Result # 853 - OrderID:  85-956-0185 - Quantity:  2
Result # 854 - OrderID:  85-961-5775 - Quantity:  2
Result # 855 - OrderID:  86-053-9440 - Quantity:  2
Result # 856 - OrderID:  86-114-9232 - Quantity:  2
Result # 857 - OrderID:  86-161-8508 - Quantity:  3
Result # 858 - OrderID:  86-227-8811 - Quantity:  3
Result # 859 - OrderID:  86-275-9654 - Quantity:  3
Result # 860 - OrderID:  86-400-9239 - Quantity:  1
Result # 861 - OrderID:  86-425-5753 - Quantity:  2
Result # 862 - OrderID:  86-581-4964 - Quantity:  1
Result # 863 - OrderID:  86-606-8047 - Quantity:  3
Result # 864 - OrderID:  86-668-1105 - Quantity:  3
Result # 865 - OrderID:  86-725-2449 - Quantity:  1
Result # 866 - OrderID:  86-819-6178 - Quantity:  2
Result # 867 - OrderID:  87-292-9640 - Quantity:  3
Result # 868 - OrderID:  87-409-2090 - Quantity:  3
Result # 869 - OrderID:  87-435-5817 - Quantity:  2
Result # 870 - OrderID:  87-443-7001 - Quantity:  1
Result # 871 - OrderID:  87-503-4703 - Quantity:  3
Result # 872 - OrderID:  87-530-1190 - Quantity:  2
Result # 873 - OrderID:  87-535-8388 - Quantity:  1
Result # 874 - OrderID:  87-546-5058 - Quantity:  3
Result # 875 - OrderID:  87-599-0366 - Quantity:  2
Result # 876 - OrderID:  87-618-1229 - Quantity:  2
Result # 877 - OrderID:  87-763-3059 - Quantity:  3
Result # 878 - OrderID:  87-766-3663 - Quantity:  3
Result # 879 - OrderID:  87-796-6079 - Quantity:  1
Result # 880 - OrderID:  87-820-2746 - Quantity:  1
Result # 881 - OrderID:  87-939-7467 - Quantity:  3
Result # 882 - OrderID:  87-976-0252 - Quantity:  2
Result # 883 - OrderID:  87-988-3093 - Quantity:  1
Result # 884 - OrderID:  88-109-5070 - Quantity:  3
Result # 885 - OrderID:  88-109-8460 - Quantity:  3
Result # 886 - OrderID:  88-367-5894 - Quantity:  3
Result # 887 - OrderID:  88-729-8334 - Quantity:  1
Result # 888 - OrderID:  88-756-9391 - Quantity:  2
Result # 889 - OrderID:  88-813-0409 - Quantity:  1
Result # 890 - OrderID:  89-007-9559 - Quantity:  1
Result # 891 - OrderID:  89-013-4600 - Quantity:  1
Result # 892 - OrderID:  89-100-6055 - Quantity:  2
Result # 893 - OrderID:  89-262-2574 - Quantity:  1
Result # 894 - OrderID:  89-266-9786 - Quantity:  1
Result # 895 - OrderID:  89-285-0567 - Quantity:  3
```

```
Result # 897 - OrderID:  89-464-8624 - Quantity:  3
Result # 898 - OrderID:  89-513-4206 - Quantity:  3
Result # 899 - OrderID:  89-535-2329 - Quantity:  3
Result # 900 - OrderID:  89-865-3770 - Quantity:  2
Result # 901 - OrderID:  89-997-5952 - Quantity:  3
Result # 902 - OrderID:  90-006-4375 - Quantity:  1
Result # 903 - OrderID:  90-122-2737 - Quantity:  3
Result # 904 - OrderID:  90-256-2320 - Quantity:  2
Result # 905 - OrderID:  90-317-7928 - Quantity:  3
Result # 906 - OrderID:  90-320-2065 - Quantity:  2
Result # 907 - OrderID:  90-359-2449 - Quantity:  3
Result # 908 - OrderID:  90-389-3298 - Quantity:  2
Result # 909 - OrderID:  90-478-9446 - Quantity:  3
Result # 910 - OrderID:  90-716-3855 - Quantity:  2
Result # 911 - OrderID:  90-877-0957 - Quantity:  2
Result # 912 - OrderID:  90-878-2657 - Quantity:  3
Result # 913 - OrderID:  90-921-1904 - Quantity:  2
Result # 914 - OrderID:  90-989-2851 - Quantity:  3
Result # 915 - OrderID:  91-006-3876 - Quantity:  3
Result # 916 - OrderID:  91-121-2326 - Quantity:  2
Result # 917 - OrderID:  91-163-7915 - Quantity:  3
Result # 918 - OrderID:  91-242-5776 - Quantity:  2
Result # 919 - OrderID:  91-284-4644 - Quantity:  2
Result # 920 - OrderID:  91-332-6187 - Quantity:  2
Result # 921 - OrderID:  91-490-5244 - Quantity:  2
Result # 922 - OrderID:  91-659-9644 - Quantity:  1
Result # 923 - OrderID:  91-690-3480 - Quantity:  3
Result # 924 - OrderID:  91-855-3626 - Quantity:  2
Result # 925 - OrderID:  92-282-7155 - Quantity:  3
Result # 926 - OrderID:  92-392-7061 - Quantity:  2
Result # 927 - OrderID:  92-487-3562 - Quantity:  1
Result # 928 - OrderID:  92-521-6256 - Quantity:  2
Result # 929 - OrderID:  92-555-9940 - Quantity:  2
Result # 930 - OrderID:  92-610-5614 - Quantity:  3
Result # 931 - OrderID:  92-660-8297 - Quantity:  2
Result # 932 - OrderID:  92-747-8084 - Quantity:  2
Result # 933 - OrderID:  92-776-2834 - Quantity:  2
Result # 934 - OrderID:  92-795-7087 - Quantity:  3
Result # 935 - OrderID:  92-809-9028 - Quantity:  2
Result # 936 - OrderID:  92-833-3271 - Quantity:  3
Result # 937 - OrderID:  92-838-7961 - Quantity:  2
Result # 938 - OrderID:  92-859-5564 - Quantity:  2
Result # 939 - OrderID:  92-873-3440 - Quantity:  2
Result # 940 - OrderID:  92-880-1942 - Quantity:  1
Result # 941 - OrderID:  93-057-9662 - Quantity:  2
Result # 942 - OrderID:  93-083-3241 - Quantity:  2
Result # 943 - OrderID:  93-396-2857 - Quantity:  2
Result # 944 - OrderID:  93-409-8648 - Quantity:  3
Result # 945 - OrderID:  93-702-4764 - Quantity:  1
Result # 946 - OrderID:  93-829-0535 - Quantity:  2
Result # 947 - OrderID:  93-829-3135 - Quantity:  1
Result # 948 - OrderID:  93-892-9924 - Quantity:  2
Result # 949 - OrderID:  94-106-4253 - Quantity:  2
Result # 950 - OrderID:  94-148-7497 - Quantity:  1
Result # 951 - OrderID:  94-211-8782 - Quantity:  2
```

```
Result # 953 - OrderID:  95-007-7718 - Quantity:  2
Result # 954 - OrderID:  95-025-5981 - Quantity:  1
Result # 955 - OrderID:  95-337-7409 - Quantity:  2
Result # 956 - OrderID:  95-524-7993 - Quantity:  1
Result # 957 - OrderID:  95-551-4400 - Quantity:  2
Result # 958 - OrderID:  95-581-1944 - Quantity:  2
Result # 959 - OrderID:  95-581-6863 - Quantity:  1
Result # 960 - OrderID:  95-587-8796 - Quantity:  2
Result # 961 - OrderID:  95-599-9120 - Quantity:  1
Result # 962 - OrderID:  95-666-2867 - Quantity:  3
Result # 963 - OrderID:  95-846-1036 - Quantity:  1
Result # 964 - OrderID:  95-935-6126 - Quantity:  3
Result # 965 - OrderID:  96-049-6957 - Quantity:  3
Result # 966 - OrderID:  96-173-6690 - Quantity:  3
Result # 967 - OrderID:  96-257-8035 - Quantity:  1
Result # 968 - OrderID:  96-458-9557 - Quantity:  3
Result # 969 - OrderID:  96-491-1316 - Quantity:  2
Result # 970 - OrderID:  96-813-6384 - Quantity:  1
Result # 971 - OrderID:  96-883-6756 - Quantity:  2
Result # 972 - OrderID:  96-993-3962 - Quantity:  1
Result # 973 - OrderID:  97-004-1775 - Quantity:  3
Result # 974 - OrderID:  97-039-9333 - Quantity:  1
Result # 975 - OrderID:  97-219-4069 - Quantity:  3
Result # 976 - OrderID:  97-233-2887 - Quantity:  1
Result # 977 - OrderID:  97-246-5273 - Quantity:  1
Result # 978 - OrderID:  97-507-9861 - Quantity:  2
Result # 979 - OrderID:  97-554-4987 - Quantity:  2
Result # 980 - OrderID:  97-623-6572 - Quantity:  3
Result # 981 - OrderID:  97-662-2177 - Quantity:  2
Result # 982 - OrderID:  97-710-0241 - Quantity:  1
Result # 983 - OrderID:  97-905-7691 - Quantity:  2
Result # 984 - OrderID:  97-946-2509 - Quantity:  1
Result # 985 - OrderID:  97-995-3154 - Quantity:  1
Result # 986 - OrderID:  98-115-7191 - Quantity:  3
Result # 987 - OrderID:  98-148-9592 - Quantity:  3
Result # 988 - OrderID:  98-293-6058 - Quantity:  2
Result # 989 - OrderID:  98-391-7796 - Quantity:  1
Result # 990 - OrderID:  98-646-1456 - Quantity:  3
Result # 991 - OrderID:  98-889-5403 - Quantity:  3
Result # 992 - OrderID:  98-920-8331 - Quantity:  2
Result # 993 - OrderID:  99-207-8914 - Quantity:  1
Result # 994 - OrderID:  99-346-2194 - Quantity:  1
Result # 995 - OrderID:  99-664-1580 - Quantity:  2
Result # 996 - OrderID:  99-679-0062 - Quantity:  1
Result # 997 - OrderID:  99-748-0471 - Quantity:  2
Result # 998 - OrderID:  99-860-3106 - Quantity:  2
Result # 999 - OrderID:  99-862-6759 - Quantity:  3
Result # 1000 - OrderID:  99-900-7458 - Quantity:  2
```

Task 4: Create a stored procedure that manages booking.

In [48]: # Create a Virtual Table (View) that returns all rows from all tables

```python
DropDataFromAllTables_sql = """DROP VIEW IF EXISTS DataFromAllTables;"""
DataFromAllTables_sql = """CREATE VIEW DataFromAllTables AS
SELECT da.AddressID, da.City, da.Country, da.PostalCode, da.CountryCode,
p.ProductID, p.CourseName, p.CuisineName, p.StarterName, p.DesertName, p.DrinkName,
c.CustomerID, c.FirstName, c.LastName,
o.OrderID, o.OrderDate,
od.OrderdetailsID, od.DeliveryDate, od.DeliveryCost, od.Quantity, od.CostPrice, od.
od.Discount
FROM DeliveryAddress da, Products p, Customers c, Orders o, OrderDetails od
WHERE c.CustomerID = o.CustomerID AND da.AddressID=od.AddressID AND
o.OrderID=od.OrderID AND p.ProductID=od.ProductID;"""

#Create the View
try:
    cursor.execute(DropDataFromAllTables_sql)
    cursor.execute(DataFromAllTables_sql)
    print("View successfully created or already exists.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

View successfully created or already exists.

In [25]:
```python
#Stored Procedure ManageBooking() that selects data about the last 5 bookings
DropManageBooking_sql ="""DROP PROCEDURE IF EXISTS ManageBooking;"""
ManageBooking_sql = """CREATE PROCEDURE IF NOT EXISTS ManageBooking()
    BEGIN
        SELECT DISTINCT (OrderID), CustomerID, OrderDate, AddressID, DeliveryDate
        FROM `DataFromAllTables`
        ORDER BY OrderDate DESC
        LIMIT 5;
    END;"""

#Create the Stored Procedure
try:
    cursor.execute(DropManageBooking_sql)
    cursor.execute(ManageBooking_sql)
    print("Procedure successfully created or already exists.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

Procedure successfully created or already exists.

In [49]:
```python
#Retrieve data from the Stored Procedure
try:
    cursor.callproc('ManageBooking')
    allResults=[]
    for eachResult in cursor.stored_results():
        ds = eachResult.fetchall()
        i=1
        for eachResult in ds:
            print('Result #', i, "- OrderID: ",eachResult[0],"- CustomerID: ",eachR
                                 "- OrderDate: ",eachResult[2],"- AddressID: ",each
```

```
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

Result # 1 - OrderID: 57-000-2024 - CustomerID: 99-788-9999 - OrderDate: 2024-0
4-02 - AddressID: MONTREAL-CAN-H1N4G6-1 - DeliveryDate: 2024-04-15
Result # 2 - OrderID: 52-708-9153 - CustomerID: 91-757-8892 - OrderDate: 2023-0
1-06 - AddressID: KANSASCITY-UNI-6496418-1 - DeliveryDate: 2022-11-18
Result # 3 - OrderID: 52-708-9153 - CustomerID: 91-757-8892 - OrderDate: 2023-0
1-06 - AddressID: KANSASCITY-UNI-353748-1 - DeliveryDate: 2022-11-18
Result # 4 - OrderID: 52-708-9153 - CustomerID: 91-757-8892 - OrderDate: 2023-0
1-06 - AddressID: KANSASCITY-UNI-9930300-1 - DeliveryDate: 2022-11-18
Result # 5 - OrderID: 52-708-9153 - CustomerID: 91-757-8892 - OrderDate: 2023-0
1-06 - AddressID: KANSASCITY-UNI-9870562-1 - DeliveryDate: 2022-11-18

Task 5: Create a stored procedure that adds bookings.

In [27]:
```python
#Stored Procedure AddBooking() that inserts a booking into the database.
DropAddBooking_sql ="""DROP PROCEDURE IF EXISTS AddBooking;"""
AddBooking_sql ="""CREATE PROCEDURE IF NOT EXISTS AddBooking(
                IN addressid VARCHAR(45),
                IN city VARCHAR(45),
                IN country VARCHAR(45),
                IN postalcode VARCHAR(45),
                IN countrycode VARCHAR(45),

                IN productid VARCHAR(45),

                IN customerid VARCHAR(45),
                IN firstname VARCHAR(45),
                IN lastname VARCHAR(45),

                IN orderid VARCHAR(45),

                IN deliverydate DATE,
                IN deliverycost DECIMAL,
                IN quantity INT,
                IN costprice DECIMAL,
                IN discount DECIMAL)
    BEGIN
        DECLARE coursename VARCHAR(45) DEFAULT 'NULL';
        DECLARE cuisinename VARCHAR(45) DEFAULT 'NULL';
        DECLARE startername VARCHAR(45) DEFAULT 'NULL';
        DECLARE desertname VARCHAR(45) DEFAULT 'NULL';
        DECLARE drinkname VARCHAR(45) DEFAULT 'NULL';
        DECLARE sidesname VARCHAR(45) DEFAULT 'NULL';

        SELECT Products.CourseName FROM Products WHERE Products.ProductID=productid
        SELECT Products.CuisineName FROM Products WHERE Products.ProductID=producti
        SELECT Products.StarterName FROM Products WHERE Products.ProductID=producti
        SELECT Products.DesertName FROM Products WHERE Products.ProductID=productid
                                                  cts WHERE Products.ProductID=productid
```

File failed to load: https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.7/extensions/MathZoom.js

```
                SELECT Products.SidesName FROM Products WHERE Products.ProductID=productid

            IF (coursename IS NOT NULL AND cuisinename IS NOT NULL AND startername IS N
                AND desertname IS NOT NULL AND drinkname IS NOT NULL AND sidesname IS N
                THEN
                    INSERT INTO DeliveryAddress
                        VALUES (addressid, city, country, postalcode, countrycode);

                    INSERT INTO Customers
                        VALUES (customerid, firstname, lastname);

                    INSERT INTO Orders
                        VALUES (orderid, now(), customerid);

                    INSERT INTO OrderDetails(DeliveryDate, DeliveryCost, Quantity, Cost
                        VALUES (deliverydate, deliverycost, quantity, costprice, discou
            END IF;
        END;"""

    #Create the Stored Procedure
    try:
        cursor.execute(DropAddBooking_sql)
        cursor.execute(AddBooking_sql)
        print("Procedure successfully created or already exists.")
    except Error as er:
        print("Something went wrong.")
        print("Error Code:", er.errno)
        print("Error Message:", er.msg)
```

Procedure successfully created or already exists.

In [28]:
```
    #Insert records via the Stored Procedure
    args=['MONTREAL-CAN-H1N4G6-1','Montreal','Canada','H1N4G6','CA','CarItaFalAffRomFoc

    try:
        cursor.callproc('AddBooking', args)
        cnx.commit()
        print("A new booking was successfully added in the database")
    except Error as er:
        print("Something went wrong.")
        print("Error Code:", er.errno)
        print("Error Message:", er.msg)
```

A new booking was successfully added in the database

In [50]:
```
    #Check that the booking added previously is successfully recorded
    #Select all records from the View
    select_view_DataFromAllTables_sql = """SELECT * FROM  DataFromAllTables
                                    WHERE OrderId='57-000-2024';"""

    #Execute queries
    try:
        cursor.execute(select_view_DataFromAllTables_sql)
        result=cursor.fetchall()
        print('\n'.join([', '.join(map(str,t)) for t in result]))
        print()
```

```python
        print("Something went wrong.")
        print("Error Code:", er.errno)
        print("Error Message:", er.msg)
```

MONTREAL-CAN-H1N4G6-1, Montreal, Canada, H1N4G6, CA, CarItaFalAffRomFoc1, Carbonara,
Italian, Falafel, Affogato, Roma Red wine, Focaccia, 99-788-9999, Jane, Doe, 57-00
0-2024, 2024-04-02, 21001, 2024-04-15, 12.00, 6, 231.00, 346.50, 33.00

Task 6: Create a stored procedure that updates bookings.

In [30]:
```python
#Stored Procedure AddBooking() that updates a booking into the database
DropUpdateBooking_sql ="""DROP PROCEDURE IF EXISTS UpdateBooking;"""
UpdateBooking_sql ="""CREATE PROCEDURE IF NOT EXISTS UpdateBooking(
                    IN orderdetailsid INT,
                    IN deliverydate DATE,
                    IN deliverycost DECIMAL,
                    IN quantity INT,
                    IN costprice DECIMAL,
                    IN discount DECIMAL,
                    IN productid VARCHAR(45))
    BEGIN
        UPDATE OrderDetails SET
        OrderDetails.DeliveryDate=deliverydate,
        OrderDetails.DeliveryCost=deliverycost,
        OrderDetails.Quantity=quantity,
        OrderDetails.Costprice=costprice,
        OrderDetails.Discount=discount,
        OrderDetails.ProductID=productid
        WHERE OrderDetails.OrderDetailsID = orderdetailsid;
    END;"""

#Create the Stored Procedure
try:
    cursor.execute(DropUpdateBooking_sql)
    cursor.execute(UpdateBooking_sql)
    print("Procedure successfully created or already exists.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

Procedure successfully created or already exists.

In [53]:
```python
#Check the booking to be modified before modification
#Select all records from the View
select_view_DataFromAllTables_sql = """SELECT * FROM  DataFromAllTables
                            WHERE OrderDetailsId='21001';"""

#Execute queries
try:
    cursor.execute(select_view_DataFromAllTables_sql)
```

```python
        print('\n'.join([', '.join(map(str,t)) for t in result]))
        print()
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

MONTREAL-CAN-H1N4G6-1, Montreal, Canada, H1N4G6, CA, CarItaFalAffRomFoc1, Carbonara,
Italian, Falafel, Affogato, Roma Red wine, Focaccia, 99-788-9999, Jane, Doe, 57-00
0-2024, 2024-04-02, 21001, 2024-04-15, 12.00, 6, 231.00, 346.50, 33.00

In [57]:
```python
#Modify records via the Stored Procedure
args=[21001,'2024-05-30', 200, 19, 401.00, 12,'BeaTurTomIceCorPot1']

try:
    cursor.callproc('UpdateBooking', args)
    cnx.commit()
    print("The booking was successfully updated in the database")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

The booking was successfully updated in the database

In [58]:
```python
#Check the booking modified after modification
#Select all records from the View
select_view_DataFromAllTables_sql = """SELECT * FROM  DataFromAllTables
                                    WHERE OrderDetailsId='21001';"""

#Execute queries
try:
    cursor.execute(select_view_DataFromAllTables_sql)
    result=cursor.fetchall()
    print('\n'.join([', '.join(map(str,t)) for t in result]))
    print()
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

MONTREAL-CAN-H1N4G6-1, Montreal, Canada, H1N4G6, CA, BeaTurTomIceCorPot1, Bean soup,
Turkish, Tomato bread, Ice cream, Corfu Red Wine, Potato salad, 99-788-9999, Jane, D
oe, 57-000-2024, 2024-04-02, 21001, 2024-05-30, 200.00, 19, 401.00, 601.50, 12.00

Task 7: Create a stored procedure that cancels bookings.

In [34]:
```python
#Stored Procedure AddBooking() that deletes a booking into the database
DropCancelBooking_sql ="""DROP PROCEDURE IF EXISTS CancelBooking;"""
CancelBooking_sql ="""CREATE PROCEDURE IF NOT EXISTS CancelBooking(
                    IN orderid VARCHAR(45))
```

```
            DELETE FROM Orders
            WHERE `Orders`.`OrderID` = orderid;
        END;"""

    #Create the Stored Procedure
    try:
        cursor.execute(DropCancelBooking_sql)
        cursor.execute(CancelBooking_sql)
        print("Procedure successfully created or already exists.")
    except Error as er:
        print("Something went wrong.")
        print("Error Code:", er.errno)
        print("Error Message:", er.msg)
```

Procedure successfully created or already exists.

In [60]:
```
#Check the booking to be cancelled before delation
#Select all records from the View
select_view_DataFromAllTables_sql = """SELECT * FROM  DataFromAllTables
                                WHERE OrderId='00-008-3271';"""

#Execute queries
try:
    cursor.execute(select_view_DataFromAllTables_sql)
    result=cursor.fetchall()
    print('\n'.join([', '.join(map(str,t)) for t in result]))
    print()
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

ZŁOTNIKI-POL-6496345-1, Złotniki, Poland, 649-6345, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 333, 2022-12-29, 22.25, 2, 310.00, 465.00, 67.77

ZŁOTNIKI-POL-86030300-1, Złotniki, Poland, 86030300, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 1333, 2022-12-29, 22.25, 2, 91.84, 137.76, 94.76

ZŁOTNIKI-POL-9870489-1, Złotniki, Poland, 987-0489, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 2333, 2022-12-29, 22.25, 2, 320.00, 480.00, 91.41

ZŁOTNIKI-POL-9930227-1, Złotniki, Poland, 993-0227, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 3333, 2022-12-29, 22.25, 2, 93.13, 139.70, 24.00

ZŁOTNIKI-POL-121364080.7-1, Złotniki, Poland, -121364080.7, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 4333, 2022-12-29, 22.25, 2, 75.00, 112.50, 35.44

ZŁOTNIKI-POL-6496639-1, Złotniki, Poland, 649-6639, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 5333, 2022-12-29, 22.25, 2, 144.09, 216.14, 20.00

ZŁOTNIKI-POL-693141-1, Złotniki, Poland, 693141, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 6333, 2022-12-29, 22.25, 2, 125.00, 187.50, 9.71

ZŁOTNIKI-POL-471922625-1, Złotniki, Poland, 471922625, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 7333, 2022-12-29, 22.25, 2, 168.27, 252.41, 10.00

ZŁOTNIKI-POL-438687966-1, Złotniki, Poland, 438687966, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 8333, 2022-12-29, 22.25, 2, 69.38, 104.07, 31.20

ZŁOTNIKI-POL-262846512.7-1, Złotniki, Poland, -262846512.7, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 9333, 2022-12-29, 22.25, 2, 190.00, 285.00, 15.00

ZŁOTNIKI-POL-958 01-1, Złotniki, Poland, 958 01, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 10333, 2022-12-29, 22.25, 2, 52.08, 78.12, 80.34

ZŁOTNIKI-POL-34285-1, Złotniki, Poland, 34285, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 11333, 2022-12-29, 22.25, 2, 310.00, 465.00, 53.53

ZŁOTNIKI-POL-38101485-1, Złotniki, Poland, 3810-1485, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 12333, 2022-12-29, 22.25, 2, 91.84, 137.76, 61.49

ZŁOTNIKI-POL-1135 01-1, Złotniki, Poland, 1135 01, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 13333, 2022-12-29, 22.25, 2, 320.00, 480.00, 10.52

ZŁOTNIKI-POL-753797586-1, Złotniki, Poland, 753797586, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 14333, 2022-12-29, 22.25, 2, 93.13, 139.70, 54.08

ZŁOTNIKI-POL-432177296.7-1, Złotniki, Poland, -432177296.7, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 15333, 2022-12-29, 22.25, 2, 75.00, 112.50, 23.00

ZŁOTNIKI-POL-354675-1, Złotniki, Poland, 354675, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Alldis, 00-008-3271, 2021-05-24, 16333, 2022-12-29, 22.25, 2, 144.09, 216.14, 91.14

ZŁOTNIKI-POL-6497345-1, Złotniki, Poland, 649-7345, PL, PizGreTomCheItaBru1, Pizza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Al

```
ldis, 00-008-3271, 2021-05-24, 17333, 2022-12-29, 22.25, 2, 125.00, 187.50, 11.23
ZŁOTNIKI-POL-1180760300-1, Złotniki, Poland, 1180760300, PL, PizGreTomCheItaBru1, Pi
zza, Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansi
e, Alldis, 00-008-3271, 2021-05-24, 18333, 2022-12-29, 22.25, 2, 168.27, 252.41, 98.
01
ZŁOTNIKI-POL-9871489-1, Złotniki, Poland, 987-1489, PL, PizGreTomCheItaBru1, Pizza,
Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Al
ldis, 00-008-3271, 2021-05-24, 19333, 2022-12-29, 22.25, 2, 69.38, 104.07, 73.09
ZŁOTNIKI-POL-9931227-1, Złotniki, Poland, 993-1227, PL, PizGreTomCheItaBru1, Pizza,
Greek, Tomato bread, Cheesecake, Italian Coffee, Bruschetta, 50-245-9029, Pansie, Al
ldis, 00-008-3271, 2021-05-24, 20333, 2022-12-29, 22.25, 2, 190.00, 285.00, 97.48
```

In [61]:
```python
#Delete records via the Stored Procedure
args=['00-008-3271']

try:
    cursor.callproc('CancelBooking', args)
    cnx.commit()
    print("The booking was successfully cancelled in the database")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

```
The booking was successfully cancelled in the database
```

In [62]:
```python
#Check the booking cancelled after delation
#Select all records from the View
select_view_DataFromAllTables_sql = """SELECT * FROM  DataFromAllTables
                                WHERE OrderId='00-008-3271';"""

#Execute queries
try:
    cursor.execute(select_view_DataFromAllTables_sql)
    result=cursor.fetchall()
    if(result):
        print('\n'.join([', '.join(map(str,t)) for t in result]))
        print()
    else:
        print("An empty result set id returned. This order doesn't exist.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
```

```
An empty result set id returned. This order doesn't exist.
```

Optional Task - Drop the Tables, View and Procedures.

In [38]:
```python
#SQL code to drop the Procedures
dropAllDBItems=[
    """DROP PROCEDURE IF EXISTS GetMaxQuantity;""",
```

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```python
    """DROP PROCEDURE IF EXISTS GetAllMaxQuantity;""",
    """DROP PROCEDURE IF EXISTS ManageBooking;""",
    """DROP PROCEDURE IF EXISTS AddBooking;""",
    """DROP PROCEDURE IF EXISTS UpdateBooking;""",
    """DROP PROCEDURE IF EXISTS CancelBooking;"""
]

"""
#Drop the Procedures
try:
    for dropEachDBitem in dropAllDBItems:
        cursor.execute(dropEachDBitem)
        print(dropEachDBitem,"was executed successfully.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
"""
```

Out[38]: '\n#Drop the Procedures\ntry:\n   for dropEachDBitem in dropAllDBItems:\n   cursor.execute(dropEachDBitem) \n   print(dropEachDBitem,"was executed successfully.")\nexcept Error as er:\n   print("Something went wrong.")\n   print("Error Code:", er.errno)\n   print("Error Message:", er.msg)\n'

In [39]:
```python
#SQL code to drop the View and Tables
dropAllDBItems=[
    """DROP VIEW DataFromAllTables;""",
    """DROP TABLE OrderDetails;""",
    """DROP TABLE Orders;""",
    """DROP TABLE Customers;""",
    """DROP TABLE DeliveryAddress;""",
    """DROP TABLE Products;"""
]
"""
#Drop the View and Tables
try:
    for dropEachDBitem in dropAllDBItems:
        cursor.execute(dropEachDBitem)
        print(dropEachDBitem,"was executed successfully.")
except Error as er:
    print("Something went wrong.")
    print("Error Code:", er.errno)
    print("Error Message:", er.msg)
"""
```

Out[39]: '\n#Drop the View and Tables\ntry:\n   for dropEachDBitem in dropAllDBItems:\n   cursor.execute(dropEachDBitem) \n   print(dropEachDBitem,"was executed successfully.")\nexcept Error as er:\n   print("Something went wrong.")\n   print("Error Code:", er.errno)\n   print("Error Message:", er.msg)\n'

Final Task - Close the cursor and connection.

In [40]:
```python
#Disconnect the cursor
cursor.close()
```

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```
print("The cursor was successfully closed.")
```

The cursor was successfully closed.

In [41]:
```
#Disconnect from MySQL
cnx.close()
print ("Successfully disconnected from MySQL.")
```

Successfully disconnected from MySQL.

In [ ]: