In [11]:
```
# !pip install mysql-connector-python
```

In [2]:
```
import pandas as pd
```

In [38]:
```
df = pd.read_csv('sales_data.csv')
```

In [39]:
```
# 2/24/2003 0:00
df['OrderDate'] = pd.to_datetime(df['OrderDate'], format='%m/%d/%Y %H:%M').d
```

In [40]:
```
df['OrderDate']
```

Out[40]:
```
0       2003-02-24
1       2003-05-07
2       2003-07-01
3       2003-08-25
4       2003-10-10
           ...
2818    2004-12-02
2819    2005-01-31
2820    2005-03-01
2821    2005-03-28
2822    2005-05-06
Name: OrderDate, Length: 2823, dtype: object
```

In [89]:
```
len(df)
```

Out[89]:
```
2823
```

In [52]:
```
import pandas as pd
import mysql.connector

database_name = 'orders_db'
username = 'root'
password = 'password'
host = 'localhost'

# Connect to MySQL
connection = mysql.connector.connect(
    host=host,
    user=username,
    password=password,
    database=database_name
)


# Insert data into MySQL
cursor = connection.cursor()
for index, row in df.iterrows():
    cursor.execute("""
        INSERT INTO orders (OrderNumber, QuantityOrdered, ItemPrice, OrderLi
        VALUES (%s, %s, %s, %s, %s, %s, %s, %s, %s, %s, %s, %s, %s, %s, %s,
    """, tuple(row))

# Commit the transaction and close the connection
connection.commit()
cursor.close()
connection.close()
```

In [49]:
```
# Assuming df is your DataFrame
customer_df = df[['CustomerName', 'City', 'PostalCode', 'Country', 'Sales_Co
```

In [56]:
```
customer_df = customer_df.drop_duplicates()
```

In [58]:
```
len(customer_df)
```

Out[58]:
```
254
```

In [54]:
```
customer_df.columns
```

Out[54]:
```
Index(['CustomerName', 'City', 'PostalCode', 'Country',
       'Sales_Contact_LastName', 'Sales_Contact_FirstName', 'DealSize'],
      dtype='object')
```

In [60]:
```
import pandas as pd
import mysql.connector


database_name = 'orders_db'
username = 'root'
password = 'password'
host = 'localhost'

# Connect to MySQL
connection = mysql.connector.connect(
    host=host,
    user=username,
    password=password,
    database=database_name
)

cursor = connection.cursor()
for index, row in customer_df.iterrows():
    cursor.execute("""
        INSERT INTO customer (CustomerName, City, PostalCode, Country,
       Sales_Contact_LastName, Sales_Contact_FirstName, DealSize)
        VALUES (%s, %s, %s, %s, %s, %s, %s)
    """, tuple(row))

# Commit the transaction and close the connection
connection.commit()
cursor.close()
connection.close()
```

In [67]:
```
sales_df = df[['OrderNumber', 'QuantityOrdered', 'ItemPrice',
       'Sales', 'OrderDate', 'Status', 'Qtr_Id', 'Month_Id', 'Year_Id']]
```

In [68]:
```
sales_df.columns
```

Out[68]:
```
Index(['OrderNumber', 'QuantityOrdered', 'ItemPrice', 'Sales', 'OrderDate',
       'Status', 'Qtr_Id', 'Month_Id', 'Year_Id'],
      dtype='object')
```

In [69]:
```
len(sales_df)
```

Out[69]:
```
2823
```

In [72]:
```
import pandas as pd
import mysql.connector


database_name = 'orders_db'
username = 'root'
password = 'password'
host = 'localhost'

# Connect to MySQL
connection = mysql.connector.connect(
    host=host,
    user=username,
    password=password,
    database=database_name
)

cursor = connection.cursor()
for index, row in sales_df.iterrows():
    cursor.execute("""
        INSERT INTO sales (OrderNumber, QuantityOrdered, ItemPrice, Sales, C
       Status, Qtr_Id, Month_Id, Year_Id)
        VALUES (%s, %s, %s, %s, %s, %s, %s, %s, %s)
    """, tuple(row))

# Commit the transaction and close the connection
connection.commit()
cursor.close()
connection.close()
```

In [74]:
```
product_df = df[['ProductCategory',
  'ProductPrice',
  'ProductCode']]
```

In [75]:
```
product_df=product_df.drop_duplicates()
```

In [77]:
```
len(product_df)
```

Out[77]:
```
109
```

In [91]:
```
#inserting product_df to product mysql table

import pandas as pd
import mysql.connector


database_name = 'orders_db'
username = 'root'
password = 'password'
host = 'localhost'

# Connect to MySQL
connection = mysql.connector.connect(
    host=host,
    user=username,
    password=password,
    database=database_name
)
cursor = connection.cursor()
for index, row in product_df.iterrows():
    cursor.execute("""
        INSERT INTO product (ProductCategory, ProductPrice, ProductCode)
        VALUES (%s, %s, %s)
    """, tuple(row))

# Commit the transaction and close the connection
connection.commit()
cursor.close()
connection.close()
```

In [87]:
```
import pandas as pd
import mysql.connector


database_name = 'orders_db'
username = 'root'
password = 'password'
host = 'localhost'

# Connect to MySQL
connection = mysql.connector.connect(
    host=host,
    user=username,
    password=password,
    database=database_name
)

cursor = connection.cursor()
# Write your SQL query
#sql_query = "SELECT * FROM orders"
sql_query1  = "SELECT * FROM customer"
sql_query2 = "SELECT * FROM sales"
sql_query3  = "SELECT * FROM product"
sql_query4 = "SELECT * FROM orderDetailJunction"

# Use pandas to read the SQL query result into a DataFrame
#df_orders = pd.read_sql_query(sql_query, connection)
df_customer = pd.read_sql_query(sql_query1, connection)
df_sales = pd.read_sql_query(sql_query2, connection)
df_product = pd.read_sql_query(sql_query3, connection)
df_orderDetailJunction = pd.read_sql_query(sql_query4, connection)
# Commit the transaction and close the connection
connection.commit()
cursor.close()
connection.close()
```

In [88]:
```
#df_orders.to_csv('/Users/thanneerubhargavi/Documents/Sem3/DBMS/Project_I519
df_customer.to_csv('/Users/thanneerubhargavi/Documents/Sem3/DBMS/Project_I51
df_sales.to_csv('/Users/thanneerubhargavi/Documents/Sem3/DBMS/Project_I519/d
df_product.to_csv('/Users/thanneerubhargavi/Documents/Sem3/DBMS/Project_I519
df_orderDetailJunction.to_csv('/Users/thanneerubhargavi/Documents/Sem3/DBMS/
```

In [ ]:
```

```