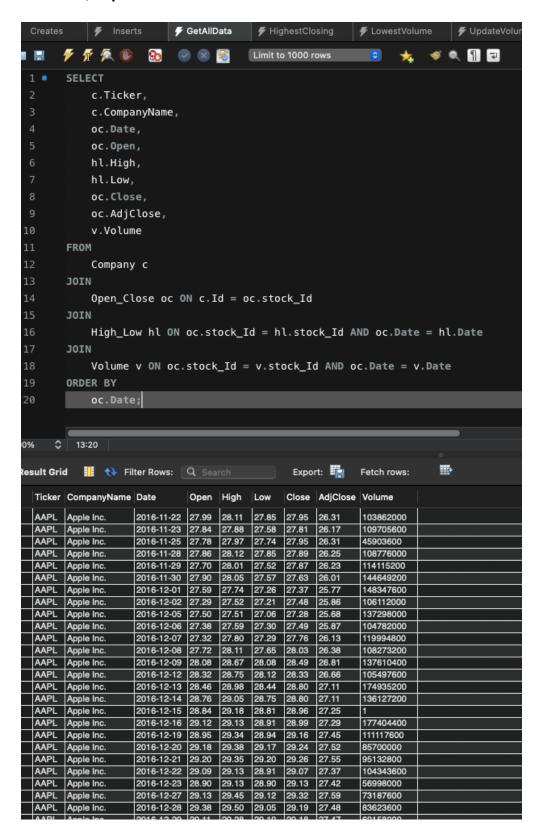
Database Schema + Define Tables SQL

```
🖮 🔚 🦻 🧗 👰 🍩 😘 🕢 🐼 Limit to 1000 rows
                           1 • ⊖ CREATE TABLE Company (
mydatabase
                                    Id INT AUTO_INCREMENT PRIMARY KEY,
                                    Ticker VARCHAR(10) NOT NULL,
🗸 🟣 Tables
                                    CompanyName VARCHAR(255) NOT NULL
 √ ■ Company
   > 📷 Columns
   > 📺 Indexes
                          Foreign Keys
                                   stock_Id INT,
    Triggers
                                    Date DATE,
 ∨ III High_Low
                                    High DECIMAL(10, 2),
                                    Low DECIMAL(10, 2),
   > 📷 Columns
                                    FOREIGN KEY (stock_Id) REFERENCES Company(Id)
   > 🛅 Indexes
   > Foreign Keys
   > Triggers
                         15 • ⊜ CREATE TABLE Open_Close (
 stock_Id INT
   > 🔯 Columns
                                    Date DATE,
   > 🚰 Indexes
                                    Open DECIMAL(10, 2),
                                   Close DECIMAL(10, 2),
AdjClose DECIMAL(10, 2),
   > 🏬 Foreign Keys
   > 📷 Triggers
                                    FOREIGN KEY (stock_Id) REFERENCES Company(Id)
 √ W Volume
   > 🔯 Columns
   > 📠 Indexes
                         24 • 🔾 CREATE TABLE Volume (
   > 🌉 Foreign Keys
                                    stock_Id INT,
   > 📷 Triggers
                                    Date DATE,
                                    Volume INT,
 🔁 Views
                                    FOREIGN KEY (stock_Id) REFERENCES Company(Id)
 Stored Procedures
```

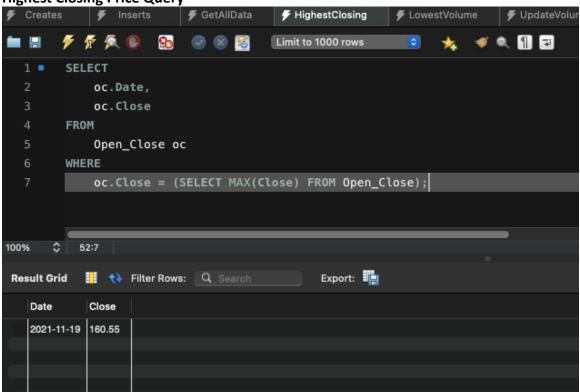
Python Insert Statements Script

```
1 Welcome
                                                  insert_statement_generator.py ×
Users > mohammadali > Documents > development > python > 🏺 insert_statement_generator.py > ...
                   import pandas as pd
                   data_frame = pd.read_csv('AAPL.csv')
                # Assigning what teh Ticker and CompanyName is for the CSV file
                  Ticker = 'AAPL'
                   CompanyName = 'Apple Inc.'
                   # Generate a single INSERT statement for the Company table
                   print(f"INSERT INTO Company (Ticker, CompanyName) VALUES ('{Ticker}','{CompanyName}
                    # Generate INSERT statements for the High_Low table
                     for index, row in data_frame.iterrows():
                                 print(f"INSERT INTO High_Low (stock_Id, Date, High, Low) VALUES (1, '{row}
                                   ['Date']}', {row['High']}, {row['Low']});")
                     for index, row in data_frame.iterrows():
                                 printf"INSERT INTO Open_Close (stock_Id, Date, Open, Close, AdjClose) VALUES
(1, '{row['Date']}', {row['Open']}, {row['Close']}, {row['Adj Close']});")
                     for index, row in data_frame.iterrows():
                                  print [ [f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume) \ VALUES \ (1, \ '\{row['Date']\}', ] ] ] ] ] | The print [ [f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume)] | The print [ f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume)] | The print [ f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume)] | The print [ f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume)] | The print [ f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume)] | The print [ f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume)] | The print [ f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume)] | The print [ f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \ Volume)] | The print [ f"INSERT \ INTO \ Volume \ (stock\_Id, \ Date, \
                                   {row['Volume']});")
```

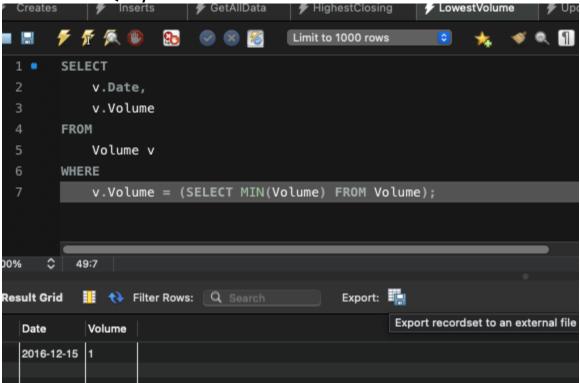
All Data Query



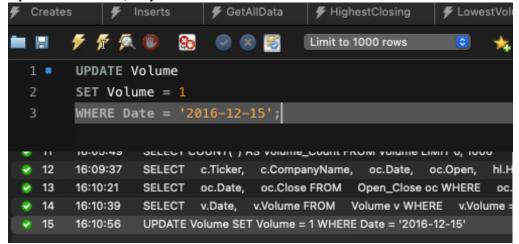
Highest Closing Price Query



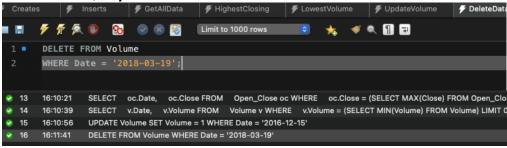
Lowest Volume Query



Update Volume Query



Delete Data Query



Final Count Rows of Data (high_low == open_close)

