

Superstore Sales Analysis Using SQLite

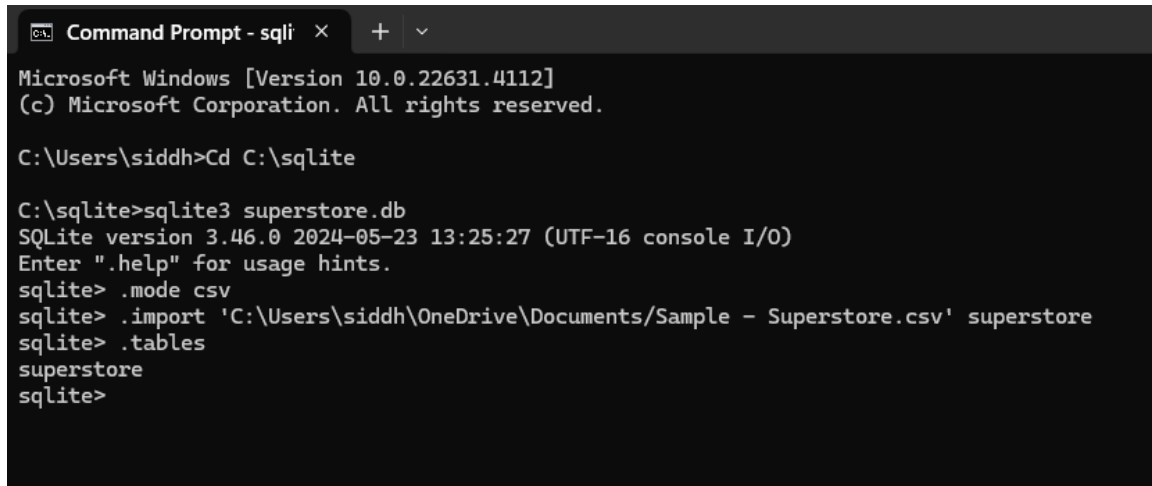
Prepared by: Sristita Paul

Date: September 13, 2024

SQL Queries and Results

Create Data Base and Import Data from Sample - Superstore.csv file.....

```
Cd C:\sqlite
sqlite3 superstore.db
.mode csv
.import 'C:\Users\siddh\OneDrive\Documents\Sample - Superstore.csv'
superstore
```



```
Command Prompt - sqli x + v
Microsoft Windows [Version 10.0.22631.4112]
(c) Microsoft Corporation. All rights reserved.

C:\Users\siddh>Cd C:\sqlite

C:\sqlite>sqlite3 superstore.db
SQLite version 3.46.0 2024-05-23 13:25:27 (UTF-16 console I/O)
Enter ".help" for usage hints.
sqlite> .mode csv
sqlite> .import 'C:\Users\siddh\OneDrive\Documents\Sample - Superstore.csv' superstore
sqlite> .tables
superstore
sqlite>
```

Query 1: Top Sales per Customer:

```
SELECT [Customer Name], SUM(Sales) AS Total_Sales FROM superstore GROUP BY
[Customer Name] ORDER BY Total_Sales DESC;
```

OutPut

```
"Sean Miller",25043.05
"Tamara Chand",19052.218
"Raymond Buch",15117.339
"Tom Ashbrook",14595.62
"Adrian Barton",14473.571
"Ken Lonsdale",14175.229
"Sanjit Chand",14142.334
"Hunter Lopez",12873.298
"Sanjit Engle",12209.438
```

"Christopher Conant",12129.072 "Todd Sumrall",11891.751 " "
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[Csv File Link for Output Data](#)

```
sqlite> .tables
superstore
sqlite> SELECT [Customer Name], SUM(Sales) AS Total_Sales FROM superstore GROUP BY [Customer Name] ORDER BY Total_Sales DESC;
"Sean Miller",25043.05
"Tamara Chand",19052.218
"Raymond Buch",15117.339
"Tom Ashbrook",14595.62
"Adrian Barton",14473.571
"Ken Lonsdale",14175.229
"Sanjit Chand",14142.334
"Hunter Lopez",12873.298
"Sanjit Engle",12209.438
"Christopher Conant",12129.072
"Todd Sumrall",11891.751
"Greg Tran",11820.12
"Becky Martin",11789.63
"Seth Vernon",11470.95
"Caroline Jumper",11164.974
"Clay Ludtke",10880.546
"Maria Etezadi",10663.728
"Karen Ferguson",10604.266
"Bill Shonely",10501.653
"Edward Hooks",10310.88
"John Lee",9799.923
"Grant Thornton",9351.212
"Helen Wasserman",9300.254
"Tom Boeckenhauer",9133.99
"Peter Fuller",9062.864
"Christopher Martinez",8954.02
"Justin Deggeller",8828.0305
"Joe Elijah",8697.843
"Laura Armstrong",8673.222
"Pete Kriz",8646.934
"Daniel Raglin",8350.868
"Natalie Fritzler",8322.826
"Karen Daniels",8282.358
"Nick Crebassa",8241.739
"Harry Marie",8236.7648
"Keith Dawkins",8181.256
"Sean Braxton",8057.891
"Zuschuss Carroll",8025.707
"Joseph Holt",7954.998
```

2. Average Discount by Product Category:

SELECT Category, AVG(Discount) AS Avg_Discount FROM superstore GROUP BY Category;

Output:

Furniture,0.173922677982084 "Office Supplies",0.157285097909061 Technology,0.132322685435842
--

[CSV File Link for Output](#)

```
sqlite> SELECT Category, AVG(Discount) AS Avg_Discount FROM superstore GROUP BY Category;
Furniture,0.173922677982084
"Office Supplies",0.157285097909061
Technology,0.132322685435842
sqlite>
```

3. Top 5 Cities by Total Sales:

SELECT City, SUM(Sales) AS Total_Sales FROM superstore GROUP BY City ORDER BY Total_Sales DESC LIMIT 5;
OutPut
"New York City",256368.161 "Los Angeles",175851.341 Seattle,119540.742 "San Francisco",112669.092 Philadelphia,109077.013

[CSV File Link for Output](#)

```
sqlite> SELECT City, SUM(Sales) AS Total_Sales FROM superstore GROUP BY City
...> ORDER BY Total_Sales DESC LIMIT 5;
"New York City",256368.161
"Los Angeles",175851.341
Seattle,119540.742
"San Francisco",112669.092
Philadelphia,109077.013
sqlite>
```

4. Product with Sales Greater Than \$5000:

SELECT [Product Name], SUM(Sales) AS Total_Sales FROM superstore GROUP BY [Product Name] HAVING Total_Sales > 5000;
Output
"3D Systems Cube Printer, 2nd Generation, Magenta",14299.89 "Adjustable Depth Letter/Legal Cart",7730.196 "Apple iPhone 5",12996.6 "Ativa V4110MDD Micro-Cut Shredder",7699.89 "Atlantic Metals Mobile 3-Shelf Bookcases, Custom Colors",7539.7122 "Atlantic Metals Mobile 4-Shelf Bookcases, Custom Colors",5184.081 "Atlantic Metals Mobile 5-Shelf Bookcases, Custom Colors",5492.885 "Bady BDG101FRU Card Printer",9279.884 "Balt Solid Wood Round Tables",6518.754 "Bevis Oval Conference Table, Walnut",6942.068 "Bretford CR4500 Series Slim Rectangular Table",7242.768 "Bretford CR8500 Series Meeting Room Furniture",6776.562

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[CSV File Link for Output](#)

```
sqlite> SELECT [Product Name], SUM(Sales) AS Total_Sales FROM superstore GROUP BY [Product Name] HAVING Total_Sales > 5000;
"3D Systems Cube Printer, 2nd Generation, Magenta",14299.89
"Adjustable Depth Letter/Legal Cart",7730.196
"Apple iPhone 5",12996.6
"Ativa V4110MDD Micro-Cut Shredder",7699.89
"Atlantic Metals Mobile 3-Shelf Bookcases, Custom Colors",7539.7122
"Atlantic Metals Mobile 4-Shelf Bookcases, Custom Colors",5184.081
"Atlantic Metals Mobile 5-Shelf Bookcases, Custom Colors",5492.885
"Bady BDG101FRU Card Printer",9279.884
"Balt Solid Wood Round Tables",6518.754
"Bevis Oval Conference Table, Walnut",6942.068
"Bretford CR4500 Series Slim Rectangular Table",7242.768
"Bretford CR8500 Series Meeting Room Furniture",6776.562
"Bretford Rectangular Conference Table Tops",12995.2915
"Bretford ♦Just In Time♦ Height-Adjustable Multi-Task Work Tables",5634.9
"Bush Advantage Collection Racetrack Conference Table",9544.725
"Canon Imageclass D680 Copier / Fax",8959.872
"Canon PC1060 Personal Laser Copier",11619.834
"Canon PC1080F Personal Copier",5999.9
"Canon PC940 Copier",5669.874
"Canon imageCLASS 2200 Advanced Copier",61599.824
"Chromcraft 48" x 96" Racetrack Double Pedestal Table",5098.176
"Chromcraft Bull-Nose Wood Oval Conference Tables & Bases",9917.64
"Chromcraft Round Conference Tables",8209.059
"Cisco TelePresence System EX90 Videoconferencing Unit",22638.48
"Cisco Unified IP Phone 7945G VoIP phone",6751.602
"ClearOne CHATAAttach 160 -speaker phone",6695.892
"Cubify CubeX 3D Printer Double Head Print",11099.963
"Cubify CubeX 3D Printer Triple Head Print",7999.98
"DMI Eclipse Executive Suite Bookcases",11046.609
"Deluxe Rollaway Locking File with Drawer",5572.792
"Dual Level, Single-Width Filing Carts",6574.544
"Fellowes PB300 Plastic Comb Binding Machine",8070.192
"Fellowes PB500 Electric Punch Plastic Comb Binding Machine with Manual Bind",27453.384
"GBC DocuBind 300 Electric Binding Machine",6785.142
"GBC DocuBind P400 Electric Binding System",17965.068
```

5. Number of Orders per Shipping Mode:

```
SELECT [Ship Mode], COUNT(*) AS Number_of_Orders FROM superstore GROUP BY [Ship Mode];
```

Output

"First Class",1538
"Same Day",543
"Second Class",1945
"Standard Class",5968

[CSV File Link for Output](#)

```
sqlite> SELECT [Ship Mode], COUNT(*) AS Number_of_Orders FROM superstore GROUP BY [Ship Mode];  
"First Class",1538  
"Same Day",543  
"Second Class",1945  
"Standard Class",5968  
sqlite>
```