

SQL_Output_Screenshots

DB Browser for SQLite - C:\Users\AAFALKAZI\OneDrive\Documents\task3\task3.db

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```
1 SELECT *
2 FROM sales_data_sample
3 LIMIT 10;
```

	ORDERNUMBER	QUANTITYORDERED	PRICEEACH	ORDERLINENUMBER	SALES	ORDERDATE	STATUS	QTR_ID	MONTH_ID	YEAR_ID	PRODUCTLINE	MSRP	PRODUCTCODE	CUSTOMERNAME	PHONE
1	10107	30	95.7	2	2871	2/24/2003 0:00	Shipped	1	2	2003	Motorcycles	95	S10_1678	Land of Toys Inc.	2125557818
2	10121	34	81.35	5	2765.9	5/7/2003 0:00	Shipped	2	5	2003	Motorcycles	95	S10_1678	Reims Collectables	26.47.1555
3	10134	41	94.74	2	3884.34	7/1/2003 0:00	Shipped	3	7	2003	Motorcycles	95	S10_1678	Lyon Souvenirs	+33 1 46 62 7555
4	10145	45	83.26	6	3746.7	8/25/2003 0:00	Shipped	3	8	2003	Motorcycles	95	S10_1678	Toys4GrownUps.com	6265557265
5	10159	49	100.0	14	5205.27	10/10/2003 0:00	Shipped	4	10	2003	Motorcycles	95	S10_1678	Corporate Gift Ideas Co.	6505551386
6	10168	36	96.66	1	3479.76	10/28/2003 0:00	Shipped	4	10	2003	Motorcycles	95	S10_1678	Technics Stores Inc.	6505556809
7	10180	29	86.13	9	2497.77	11/11/2003 0:00	Shipped	4	11	2003	Motorcycles	95	S10_1678	Daedalus Designs Imports	20.16.1555
8	10188	48	100.0	1	5512.32	11/18/2003 0:00	Shipped	4	11	2003	Motorcycles	95	S10_1678	Herkuu Gifts	+47 2267 3215
9	10201	22	98.57	2	2168.54	12/1/2003 0:00	Shipped	4	12	2003	Motorcycles	95	S10_1678	Mini Wheels Co.	6505555787
10	10211	41	100.0	14	4708.44	1/15/2004 0:00	Shipped	1	1	2004	Motorcycles	95	S10_1678	Auto Canal Petit	(1) 47.55.6555

Execution finished without errors.
Result: 10 rows returned in 7ms
At line 1:
SELECT *
FROM sales_data_sample
LIMIT 10;

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```
1 SELECT *
2 FROM sales_data_sample
3 LIMIT 10;
4
5 SELECT ORDERNUMBER, SALES, CUSTOMERNAME
6 FROM sales_data_sample
7 ORDER BY SALES DESC
8 LIMIT 5;
9
```

	ORDERNUMBER	SALES	CUSTOMERNAME
1	10407	14082.8	The Sharp Gifts Warehouse
2	10322	12536.5	Online Diecast Creations Co.
3	10424	12001	Euro Shopping Channel
4	10412	11887.8	Euro Shopping Channel
5	10403	11886.6	UK Collectables, Ltd.

Execution finished without errors.
Result: 5 rows returned in 6ms
At line 5:
SELECT ORDERNUMBER, SALES, CUSTOMERNAME
FROM sales_data_sample
ORDER BY SALES DESC

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```
3 LIMIT 10;
4
5 SELECT ORDERNUMBER, SALES, CUSTOMERNAME
6 FROM sales_data_sample
7 ORDER BY SALES DESC
8 LIMIT 5;
9
10 SELECT *
11 FROM sales_data_sample
12 WHERE SALES > (SELECT AVG(SALES) FROM sales_data_sample)
13 ORDER BY SALES DESC;
14
```

	ORDERNUMBER	QUANTITYORDERED	PRICEEACH	ORDERLINENUMBER	SALES	ORDERDATE	STATUS	QTR_ID	MONTH_ID	YEAR_ID	PRODUCTLINE	MSRP	PRODUCTCODE	CUSTOMERNAME
1	10407	76	100.0	2	14082.8	4/22/2005 0:00	On Hold	2	4	2005	Vintage Cars	170	S18_1749	The Sharp Gifts Warehouse
2	10322	50	100.0	6	12536.5	11/4/2004 0:00	Shipped	4	11	2004	Vintage Cars	127	S18_2325	Online Diecast Creations Co.
3	10424	50	100.0	6	12001	5/31/2005 0:00	In Process	2	5	2005	Classic Cars	214	S10_1949	Euro Shopping Channel
4	10412	60	100.0	9	11887.8	5/3/2005 0:00	Shipped	2	5	2005	Classic Cars	169	S18_3232	Euro Shopping Channel
5	10403	66	100.0	9	11886.6	4/8/2005 0:00	Shipped	2	4	2005	Motorcycles	193	S10_4698	UK Collectables, Ltd.
6	10405	76	100.0	3	11739.7	4/14/2005 0:00	Shipped	2	4	2005	Classic Cars	140	S24_3856	Mini Caravay
7	10312	48	100.0	3	11623.7	10/21/2004 0:00	Shipped	4	10	2004	Classic Cars	214	S10_1949	Mini Gifts Distributors Ltd.
8	10333	46	100.0	2	11336.7	11/18/2004 0:00	Shipped	4	11	2004	Vintage Cars	99	S18_3320	Mini Wheels Co.
9	10127	46	100.0	2	11279.2	6/3/2003 0:00	Shipped	2	6	2003	Classic Cars	207	S12_1108	Muscle Machine Inc
10	10150	45	100.0	8	10993.5	9/19/2003 0:00	Shipped	3	9	2003	Classic Cars	214	S10_1949	Dragon Souvenirs, Ltd.

Execution finished without errors.
Result: 10 rows returned in 19ms
At line 10:
SELECT *
FROM sales_data_sample
WHERE SALES > (SELECT AVG(SALES) FROM sales_data_sample)

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```
8 LIMIT 5;
9
10 SELECT *
11 FROM sales_data_sample
12 WHERE SALES > (SELECT AVG(SALES) FROM sales_data_sample)
13 ORDER BY SALES DESC;
14
15 SELECT PRODUCTLINE, SUM(SALES) AS Totalsales, AVG(SALES) AS AvgSales
16 FROM sales_data_sample
17 GROUP BY PRODUCTLINE
18 ORDER BY Totalsales DESC;
19
```

	PRODUCTLINE	Totalsales	AvgSales
1	Classic Cars	3919615.66	4053.37710444674
2	Vintage Cars	1903150.84	3135.33911037891
3	Motorcycles	1166388.34	3523.8318429003
4	Trucks and Buses	1127789.84	3746.81009966777
5	Planes	975003.57	3186.28617647059
6	Ships	714437.13	3053.15012820513
7	Trains	226243.47	2938.22688311688

Execution finished without errors.
Result: 7 rows returned in 10ms
At line 15:
SELECT PRODUCTLINE, SUM(SALES) AS Totalsales, AVG(SALES) AS AvgSales
FROM sales_data_sample
GROUP BY PRODUCTLINE

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```
14 SELECT PRODUCTLINE, SUM(SALES) AS Totalsales, AVG(SALES) AS AvgSales
15 FROM sales_data_sample
16 GROUP BY PRODUCTLINE
17 ORDER BY Totalsales DESC;
18
19 SELECT s.ORDERNUMBER, s.SALES, c.CUSTOMERNAME, c.EMAIL, c.COUNTRY
20 FROM sales_data_sample s
21 INNER JOIN customers c
22 ON s.CUSTOMERNAME = c.CUSTOMERNAME
23 LIMIT 10;
24
25
```

	ORDERNUMBER	SALES	CUSTOMERNAME	EMAIL	COUNTRY
1	10107	2871	Land of Toys Inc.	landtoys@example.com	USA
2	10121	2765.9	Reims Collectables	reims@example.com	France
3	10134	3884.34	Lyon Souvenirs	lyon@example.com	France
4	10145	3746.7	Toys4GrownUps.com	grownups@example.com	USA
5	10159	5205.27	Corporate Gift Ideas Co.	corpgi@example.com	UK
6	10168	3479.76	Technics Stores Inc.	technics@example.com	USA
7	10180	2497.77	Daedalus Designs Imports	daedalus@example.com	USA
8	10188	5512.32	Herkku Gifts	herkku@example.com	Finland
9	10201	2168.54	Mini Wheels Co.	miniwheels@example.com	USA
10	10211	4708.44	Auto Canal Petit	autocanal@example.com	France

Execution finished without errors.
Result: 10 rows returned in 4ms
At line 20:
SELECT s.ORDERNUMBER, s.SALES, c.CUSTOMERNAME, c.EMAIL, c.COUNTRY
FROM sales_data_sample s
INNER JOIN customers c

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```
20 SELECT s.ORDERNUMBER, s.SALES, c.CUSTOMERNAME, c.EMAIL, c.COUNTRY
21 FROM sales_data_sample s
22 INNER JOIN customers c
23 ON s.CUSTOMERNAME = c.CUSTOMERNAME
24 LIMIT 10;
25
26 SELECT s.ORDERNUMBER, s.SALES, c.CUSTOMERNAME, c.EMAIL
27 FROM sales_data_sample s
28 LEFT JOIN customers c
29 ON s.CUSTOMERNAME = c.CUSTOMERNAME
30 LIMIT 10;
31
```

	ORDERNUMBER	SALES	CUSTOMERNAME	EMAIL
1	10107	2871	Land of Toys Inc.	landtoys@example.com
2	10121	2765.9	Reims Collectables	reims@example.com
3	10134	3884.34	Lyon Souvenirs	lyon@example.com
4	10145	3746.7	Toys4GrownUps.com	grownups@example.com
5	10159	5205.27	Corporate Gift Ideas Co.	corpgi@example.com
6	10168	3479.76	Technics Stores Inc.	technics@example.com
7	10180	2497.77	Daedalus Designs Imports	daedalus@example.com
8	10188	5512.32	Herkku Gifts	herkku@example.com
9	10201	2168.54	Mini Wheels Co.	miniwheels@example.com
10	10211	4708.44	Auto Canal Petit	autocanal@example.com

Execution finished without errors.
Result: 10 rows returned in 5ms
At line 26:
SELECT s.ORDERNUMBER, s.SALES, c.CUSTOMERNAME, c.EMAIL
FROM sales_data_sample s
LEFT JOIN customers c

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```

24 LIMIT 10;
25
26 SELECT s.ORDERNUMBER, s.SALES, c.CUSTOMERNAME, c.EMAIL
27 FROM sales_data_sample s
28 LEFT JOIN Customers c
29 ON s.CUSTOMERNAME = c.CUSTOMERNAME
30 LIMIT 10;
31
32 SELECT ORDERNUMBER, SALES
33 FROM sales_data_sample
34 WHERE SALES > (SELECT AVG(SALES) FROM sales_data_sample);
35

```

	ORDERNUMBER	SALES
1	10134	3884.34
2	10145	3746.7
3	10159	5205.27
4	10188	5512.32
5	10211	4708.44
6	10223	3965.66
7	10263	3676.76
8	10275	4177.35
9	10285	4099.68
10	10309	4394.38
11	10318	4358.04

Execution finished without errors.
Result: 1168 rows returned in 5ms
At line 32:
SELECT ORDERNUMBER, SALES
FROM sales_data_sample
WHERE SALES > (SELECT AVG(SALES) FROM sales_data_sample);

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```

29 ON s.CUSTOMERNAME = c.CUSTOMERNAME
30 LIMIT 10;
31
32 SELECT ORDERNUMBER, SALES
33 FROM sales_data_sample
34 WHERE SALES > (SELECT AVG(SALES) FROM sales_data_sample);
35
36 SELECT CUSTOMERNAME
37 FROM sales_data_sample
38 GROUP BY CUSTOMERNAME
39 HAVING SUM(SALES) > 50000;
40

```

	CUSTOMERNAME
1	AV Stores, Co.
2	Alpha Cognac
3	Amica Models & Co.
4	Anna's Decorations, Ltd
5	Australian Collectables, Ltd
6	Australian Collectors, Co.
7	Australian Gift Network, Co
8	Auto Assoc. & Cie.
9	Auto Canal Petit
10	Baane Mini Imports
11	Blauer See Auto. Co.

Execution finished without errors.
Result: 81 rows returned in 8ms
At line 36:
SELECT CUSTOMERNAME
FROM sales_data_sample
GROUP BY CUSTOMERNAME
HAVING SUM(SALES) > 50000;

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```

37 FROM sales_data_sample
38 GROUP BY CUSTOMERNAME
39 HAVING SUM(SALES) > 50000;
40
41 DROP INDEX IF EXISTS idx_sales;
42 DROP INDEX IF EXISTS idx_customername;
43
44 CREATE INDEX idx_sales ON sales_data_sample(SALES);
45 CREATE INDEX idx_customername ON sales_data_sample(CUSTOMERNAME);
46 PRAGMA index_list('sales_data_sample');
47

```

seq	name	unique	origin	partial
1	idx_customername	0	c	0
2	idx_sales	0	c	0

Execution finished without errors.
Result: 2 rows returned in 6ms
At line 47:
PRAGMA index_list('sales_data_sample');

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Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```
45 CREATE INDEX idx_sales ON sales_data_sample(SALES);
46 CREATE INDEX idx_customername ON sales_data_sample(CUSTOMERNAME);
47 PRAGMA index_list('sales_data_sample');
48
49 DROP VIEW IF EXISTS HighValueOrders;
50
51 CREATE VIEW HighValueOrders AS
52 SELECT ORDERNUMBER, SALES, CUSTOMERNAME
53 FROM sales_data_sample
54 WHERE SALES > 10000;
55 SELECT * FROM HighValueOrders;
56
```

	ORDERNUMBER	SALES	CUSTOMERNAME
1	10375	10039.6	La Rochelle Gifts
2	10388	10066.6	FunGiftIdeas.com
3	10304	10172.7	Auto Assoc. & Cie.
4	10406	10468.9	Danish Wholesale Imports
5	10247	10606.2	Suominen Souvenirs
6	10339	10758	Tokyo Collectables, Ltd
7	10150	10993.5	Dragon Souvenirs, Ltd.
8	10127	11279.2	Muscle Machine Inc
9	10333	11336.7	Mini Wheels Co.
10	10312	11623.7	Mini Gifts Distributors Ltd.
11	10405	11739.7	Mini Caravv

Execution finished without errors.
Result: 16 rows returned in 10ms
At line 55:
SELECT * FROM HighValueOrders;

UTF-8