

Limit to 1000 rows

Jump to

1

-- SQL Minor Project:

2

-- Bike Store Sales And Inventory Analysis

3

4

-- Project Overview -:

5

-- This project focuses strictly on relational logic using JOINs and aggregation functions.

6

-- Subqueries and CTEs are intentionally excluded to strengthen core SQL fundamentals.

7

8

-- Problem Statement:

9

-- Analyze store performance and inventory levels for a bicycle retail chain.

10

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

--

11

-- Create the Database

12

CREATE DATABASE BikeStoreProject;

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	18:08:53	CREATE DATABASE BikeStoreProject	1 row(s) affected	0.047 sec

--

16

-- Use the database

17

USE BikeStoreProject;

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	18:08:53	CREATE DATABASE BikeStoreProject	1 row(s) affected	0.047 sec
2	18:10:24	USE BikeStoreProject	0 row(s) affected	0.000 sec

--

20

-- Create the table brands

21

CREATE TABLE brands(

22

brand_id INT PRIMARY KEY,

23

brand_name VARCHAR(50) NOT NULL);

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	18:08:53	CREATE DATABASE BikeStoreProject	1 row(s) affected	0.047 sec
2	18:10:24	USE BikeStoreProject	0 row(s) affected	0.000 sec
3	18:15:11	CREATE TABLE brands(brand_id INT PRIMARY KEY, brand_name VARCHAR(50) NOT NULL)	0 row(s) affected	0.093 sec

--

26

-- Create the table categories

27

CREATE TABLE categories(

28

category_id INT PRIMARY KEY,

29

category_name VARCHAR(50)

30

);

31

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	18:15:11	CREATE TABLE brands(brand_id INT PRIMARY KEY, brand_name VARCHAR(50) NOT NULL)	0 row(s) affected	0.093 sec
4	18:20:19	CREATE TABLE categories(category_id INT PRIMARY KEY, category_name VARCHAR(50))	0 row(s) affected	0.016 sec

```

32
33 -- Create the table customers
34 CREATE TABLE customers(
35     customer_id INT PRIMARY KEY,
36     first_name VARCHAR(50),
37     last_name VARCHAR(50),
38     phone BIGINT,
39     email VARCHAR(50),
40     street VARCHAR(50),
41     city VARCHAR(50),
42     state VARCHAR(50),
43     zip_code BIGINT
44 );
45

```

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
4	18:20:19	CREATE TABLE categories(category_id INT PRIMARY KEY, category_name VARCHAR(50))	0 row(s) affected	0.016 sec
5	18:28:01	CREATE TABLE customers(customer_id INT PRIMARY KEY, first_name VARCHAR(50), last_name VARCHAR(50)...	0 row(s) affected	0.031 sec

```

46
47 -- Create the table order_items
48 CREATE TABLE order_items(
49     order_id INT PRIMARY KEY,
50     item_id INT,
51     product_id INT,
52     quantity INT,
53     list_price FLOAT,
54     discount FLOAT
55 );
56

```

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
5	18:28:01	CREATE TABLE customers(customer_id INT PRIMARY KEY, first_name VARCHAR(50), last_name VARCHAR(50)...	0 row(s) affected	0.031 sec
6	18:32:25	CREATE TABLE order_items(order_id INT PRIMARY KEY, item_id INT, product_id INT, quantity INT, list_price FL...	0 row(s) affected	0.031 sec

```

57
58 -- Create the table orders
59 CREATE TABLE orders(
60     order_id INT PRIMARY KEY,
61     customer_id INT,
62     order_status INT,
63     order_date DATE,
64     required_date DATE,
65     shipped_date DATE,
66     store_id INT,
67     staff_id INT
68 );

```

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
6	18:32:25	CREATE TABLE order_items(order_id INT PRIMARY KEY, item_id INT, product_id INT, quantity INT, list_price FL...	0 row(s) affected	0.031 sec
7	18:36:47	CREATE TABLE orders(order_id INT PRIMARY KEY, customer_id INT, order_status INT, order_date DATE, requir...	0 row(s) affected	0.046 sec

```

70
71 -- Create the table products
72 CREATE TABLE products(
73     product_id INT PRIMARY KEY,
74     product_name VARCHAR(50),
75     brand_id INT,
76     category_id INT,
77     model_year INT,
78     list_price FLOAT
79 );

```

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
7	18:36:47	CREATE TABLE orders(order_id INT PRIMARY KEY, customer_id INT, order_status INT, order_date DATE, requir...	0 row(s) affected	0.046 sec
8	18:40:03	CREATE TABLE products(product_id INT PRIMARY KEY, product_name VARCHAR(50), brand_id INT, category...	0 row(s) affected	0.047 sec

```

81
82 -- Create the table staffs
83 CREATE TABLE staffs(
84     staff_id INT PRIMARY KEY,
85     first_name VARCHAR(50),
86     last_name VARCHAR(50),
87     email VARCHAR(50),
88     phone BIGINT,
89     active INT,
90     store_id INT,
91     manager_id INT
92 );
93

```

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	18:40:03	CREATE TABLE products(product_id INT PRIMARY KEY, product_name VARCHAR(50), brand_id INT, category...	0 row(s) affected	0.047 sec
9	18:44:24	CREATE TABLE staffs(staff_id INT PRIMARY KEY, first_name VARCHAR(50), last_name VARCHAR(50), email V...	0 row(s) affected	0.015 sec

```

95 -- Create the table stocks
96 CREATE TABLE stocks(
97     store_id INT PRIMARY KEY,
98     product_id INT,
99     quantity INT
100 );

```

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
9	18:44:24	CREATE TABLE staffs(staff_id INT PRIMARY KEY, first_name VARCHAR(50), last_name VARCHAR(50), email V...	0 row(s) affected	0.015 sec
10	18:46:43	CREATE TABLE stocks(store_id INT PRIMARY KEY, product_id INT, quantity INT)	0 row(s) affected	0.032 sec

```

103 -- Create the table stores
104 CREATE TABLE stores(
105     store_id INT PRIMARY KEY,
106     store_name VARCHAR(50),
107     phone BIGINT,
108     email VARCHAR(50),
109     street VARCHAR(50),
110     city VARCHAR(50),
111     state VARCHAR(50),
112     zip_code BIGINT
113 );
114
115

```

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
10	18:46:43	CREATE TABLE stocks(store_id INT PRIMARY KEY, product_id INT, quantity INT)	0 row(s) affected	0.032 sec
11	18:49:55	CREATE TABLE stores(store_id INT PRIMARY KEY, store_name VARCHAR(50), phone BIGINT, email VARCA...	0 row(s) affected	0.047 sec

```

115
116 -- show all the created tables
117 SHOW TABLES;

```

Result Grid Filter Rows: Export: Wrap Cell Content:

Tables_in_bikestoreproject
brands
categories
customers
order_items
orders
products
staffs
stocks
stores

Result 1 x Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
11	18:49:55	CREATE TABLE stores(store_id INT PRIMARY KEY, store_name VARCHAR(50), phone BIGINT, email VARC...	0 row(s) affected	0.047 sec
12	22:43:39	SHOW TABLES	9 row(s) returned	0.078 sec / 0.000 sec

```
120 -- insert the values into brands table
121 • INSERT INTO brands VALUES
122 (1,"Electra"),
123 (2,"Haro"),
124 (3,"Heller"),
125 (4,"Pure Cycles"),
126 (5,"Ritchey"),
127 (6,"Strider"),
128 (7,"Sun Bicycles"),
129 (8,"Surly"),
130 (9,"Trek");
```

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
12	22:43:39	SHOW TABLES	9 row(s) returned	0.078 sec / 0.000 sec
13	22:51:30	INSERT INTO brands VALUES (1,"Electra"), (2,"Haro"), (3,"Heller"), (4,"Pure Cycles"), (5,"Ritchey"), (6,"Strid...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0	0.015 sec

```
133 -- insert the values into categories table
134 • INSERT INTO categories VALUES
135 (1,"Children Bicycles"),
136 (2,"Comfort Bicycles"),
137 (3,"Cruisers Bicycles"),
138 (4,"Cyclocross Bicycles"),
139 (5,"Electric Bikes"),
140 (6,"Mountain Bikes"),
141 (7,"Road Bikes");
142
143
```

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
13	22:51:30	INSERT INTO brands VALUES (1,"Electra"), (2,"Haro"), (3,"Heller"), (4,"Pure Cycles"), (5,"Ritchey"), (6,"Strid...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0	0.015 sec
14	22:54:55	INSERT INTO categories VALUES (1,"Children Bicycles"), (2,"Comfort Bicycles"), (3,"Cruisers Bicycles"), (4,"...	7 row(s) affected Records: 7 Duplicates: 0 Warnings: 0	0.015 sec

```
144 -- insert the values into customers table
145 • INSERT INTO customers VALUES
146 (1,"Debra","Burks",NULL,"debra.burks@yahoo.com","9273 Thorne Ave.", "Orchard Park", "NY",14127),
147 (2,"Kasha","Todd",NULL,"kasha.todd@yahoo.com","910 Vine Street", "Campbell", "CA",95008),
148 (3,"Tameka","Fisher",NULL,"tameka.fisher@aol.com","769C Honey Creek St.", "Redondo Beach", "CA",90278),
149 (4,"Daryl","Spence",NULL,"daryl.spence@aol.com","988 Pearl Lane", "Uniondale", "NY",11553),
150 (5,"Charolette","Rice",9163816003,"charolette.rice@msn.com","107 River Dr.", "Sacramento", "CA",95820),
151 (6,"Lyndsey","Bean",NULL,"lyndsey.bean@hotmail.com","769 West Road", "Fairport", "NY",14450),
152 (7,"Latasha","Hay",7169863359,"latasha.hays@hotmail.com","7014 Manor Station Rd.", "Buffalo", "NY",14215),
153 (8,"Jacqueline","Duncan",NULL,"jacqueline.duncan@yahoo.com","15 Brown St.", "Jackson Heights", "NY",11372),
154 (9,"Genoveva","Baldwin",NULL,"genoveva.baldwin@msn.com","8550 Spruce Drive", "Port Washington", "NY",11050),
155 (10,"Pamelia","Newman",NULL,"pamelia.newman@gmail.com","476 Chestnut Ave.", "Monroe", "NY",10950),
156 (11,"Deshawn","Mendoza",NULL,"deshawn.mendoza@yahoo.com","8790 Cobblestone Street", "Monsey", "NY",10952),
157 (12,"Robby","Sykes",5165837761,"robbysykes@hotmail.com","486 Rock Maple Street", "Hempstead", "NY",11550),
158 (13,"Lashawn","Ortiz",NULL,"lashawn.ortiz@msn.com","27 Washington Rd.", "Longview", "TX",75604),
159 (14,"Garry","Espinoza",NULL,"garry.espinoza@hotmail.com","7858 Rockaway Court", "Forney", "TX",75126),
160 (15,"Linnie","Branch",NULL,"linnie.branch@gmail.com","314 South Columbia Ave.", "Plattsburgh", "NY",12901),
161 (16,"Emmitt","Sanchez",2129458823,"emmitt.sanchez@hotmail.com","461 Squaw Creek Road", "New York", "NY",10002),
162 (17,"Caren","Stephens",NULL,"caren.stephens@msn.com","914 Brook St.", "Scarsdale", "NY",10583),
163 (18,"Georgetta","Hardin",NULL,"georgetta.hardin@aol.com","474 Chapel Dr.", "Canandaigua", "NY",14424),
164 (19,"Lizette","Stein",NULL,"lizette.stein@yahoo.com","19 Green Hill Lane", "Orchard Park", "NY",14127),
165 (20,"Aleta","Shepard",NULL,"aleta.shepard@aol.com","684 Howard St.", "Sugar Land", "TX",77478);
166
167
168
```

Context Help Snippets

Output

#	Time	Action	Message	Duration / Fetch
16	23:23:58	INSERT INTO customers VALUES (1,"Debra","Burks",NULL,"debra.burks@yahoo.com","9273 Thorne Ave.", "Orchard Park", "NY",14127), (2,"Kasha","Todd",NULL,"kasha.todd@yahoo.com","910 Vine Street", "Campbell", "CA",95008), (3,"Tameka","Fisher",NULL,"tameka.fisher@aol.com","769C Honey Creek St.", "Redondo Beach", "CA",90278), (4,"Daryl","Spence",NULL,"daryl.spence@aol.com","988 Pearl Lane", "Uniondale", "NY",11553), (5,"Charolette","Rice",9163816003,"charolette.rice@msn.com","107 River Dr.", "Sacramento", "CA",95820), (6,"Lyndsey","Bean",NULL,"lyndsey.bean@hotmail.com","769 West Road", "Fairport", "NY",14450), (7,"Latasha","Hay",7169863359,"latasha.hays@hotmail.com","7014 Manor Station Rd.", "Buffalo", "NY",14215), (8,"Jacqueline","Duncan",NULL,"jacqueline.duncan@yahoo.com","15 Brown St.", "Jackson Heights", "NY",11372), (9,"Genoveva","Baldwin",NULL,"genoveva.baldwin@msn.com","8550 Spruce Drive", "Port Washington", "NY",11050), (10,"Pamelia","Newman",NULL,"pamelia.newman@gmail.com","476 Chestnut Ave.", "Monroe", "NY",10950), (11,"Deshawn","Mendoza",NULL,"deshawn.mendoza@yahoo.com","8790 Cobblestone Street", "Monsey", "NY",10952), (12,"Robby","Sykes",5165837761,"robbysykes@hotmail.com","486 Rock Maple Street", "Hempstead", "NY",11550), (13,"Lashawn","Ortiz",NULL,"lashawn.ortiz@msn.com","27 Washington Rd.", "Longview", "TX",75604), (14,"Garry","Espinoza",NULL,"garry.espinoza@hotmail.com","7858 Rockaway Court", "Forney", "TX",75126), (15,"Linnie","Branch",NULL,"linnie.branch@gmail.com","314 South Columbia Ave.", "Plattsburgh", "NY",12901), (16,"Emmitt","Sanchez",2129458823,"emmitt.sanchez@hotmail.com","461 Squaw Creek Road", "New York", "NY",10002), (17,"Caren","Stephens",NULL,"caren.stephens@msn.com","914 Brook St.", "Scarsdale", "NY",10583), (18,"Georgetta","Hardin",NULL,"georgetta.hardin@aol.com","474 Chapel Dr.", "Canandaigua", "NY",14424), (19,"Lizette","Stein",NULL,"lizette.stein@yahoo.com","19 Green Hill Lane", "Orchard Park", "NY",14127), (20,"Aleta","Shepard",NULL,"aleta.shepard@aol.com","684 Howard St.", "Sugar Land", "TX",77478);	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.032 sec

Automatic context help is disabled. Use the toolbar manually get help for current caret position or toggle automatic help.

```

168      -- insert the values into order_items table
169  •   INSERT INTO order_items VALUES
170      (1,1,20,1,599.99,0.2),
171      (1,2,8,2,1799.99,0.07),
172      (1,3,10,2,1549,0.05),
173      (1,4,16,2,599.99,0.05),
174      (1,5,4,1,2899.99,0.2),
175      (2,1,20,1,599.99,0.07),
176      (2,2,16,2,599.99,0.05),
177      (3,1,3,1,999.99,0.05),
178      (3,2,20,1,599.99,0.05),
179      (4,1,2,2,749.99,0.1),
180      (5,1,10,2,1549,0.05),
181      (5,2,17,1,429,0.07),
182      (5,3,26,1,599.99,0.07),
183      (6,1,18,1,449,0.07),
184      (6,2,12,2,549.99,0.05),
185      (6,3,20,1,599.99,0.1),
186      (6,4,3,2,999.99,0.07),
187      (6,5,9,2,2999.99,0.07),
188      (7,1,15,1,529.99,0.07);

```

```

190
191  •   ALTER TABLE order_items DROP PRIMARY KEY;
192
193
194  •   SELECT * FROM order_items;
195

```

Result Grid | Filter Rows: | Export: | Wrap Cell Contents: |

order_id	item_id	product_id	quantity	list_price	discount
1	2	8	2	1799.99	0.07
1	3	10	2	1549	0.05
1	4	16	2	599.99	0.05
1	5	4	1	2899.99	0.2
2	1	20	1	599.99	0.07
2	2	16	2	599.99	0.05
3	1	3	1	999.99	0.05
3	2	20	1	599.99	0.05
4	1	2	2	749.99	0.1
5	1	10	2	1549	0.05
5	2	17	1	429	0.07
5	3	26	1	599.99	0.07
6	1	18	1	449	0.07
6	2	12	2	549.99	0.05
6	3	20	1	599.99	0.1

order_items 7 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
25	23:44:04	INSERT INTO order_items VALUES (1,1,20,1,599.99,0.2), (1,2,8,2,1799.99,0.07), (1,3,10,2,1549,0.05), (1,4,1...	19 row(s) affected Records: 19 Duplicates: 0 Warnings: 0	0.016 sec
26	23:44:58	SELECT * FROM order_items LIMIT 0, 1000	19 row(s) returned	0.031 sec / 0.000 sec

current caret position or to toggle automatic help.

```

197 -- insert the values into orders table
198 • INSERT INTO orders VALUES
199 (1,259,4,"2016-01-01","2016-01-03","2016-01-03",1,2),
200 (2,1212,4,"2016-01-01","2016-01-04","2016-01-03",2,6),
201 (3,523,4,"2016-01-02","2016-01-05","2016-01-03",2,7),
202 (4,175,4,"2016-01-03","2016-01-04","2016-01-05",1,3),
203 (5,1324,4,"2016-01-03","2016-01-06","2016-01-06",2,6),
204 (6,94,4,"2016-01-04","2016-01-07","2016-01-05",2,6),
205 (7,324,4,"2016-01-04","2016-01-07","2016-01-05",2,6),
206 (8,1204,4,"2016-01-04","2016-01-05","2016-01-05",2,7),
207 (9,60,4,"2016-01-05","2016-01-08","2016-01-08",1,2),
208 (10,442,4,"2016-01-05","2016-01-06","2016-01-06",2,6),
209 (11,1326,4,"2016-01-05","2016-01-08","2016-01-07",2,7),
210 (12,91,4,"2016-01-06","2016-01-08","2016-01-09",1,2),
211 (13,873,4,"2016-01-08","2016-01-11","2016-01-11",2,6),
212 (14,258,4,"2016-01-09","2016-01-11","2016-01-12",1,3),
213 (15,450,4,"2016-01-09","2016-01-10","2016-01-12",2,7),
214 (16,552,4,"2016-01-12","2016-01-15","2016-01-15",1,3),
215 (17,1175,4,"2016-01-12","2016-01-14","2016-01-14",1,3),
216 (18,541,4,"2016-01-14","2016-01-17","2016-01-15",1,3),
217 (19,696,4,"2016-01-14","2016-01-17","2016-01-16",1,2),
218 (20,923,4,"2016-01-14","2016-01-16","2016-01-17",1,2);
219
---
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
27	23:56:09	INSERT INTO orders VALUES (1,259,4,"01-01-2016","03-01-2016","03-01-2016",1,2), (2,1212,4,"01-01-2016","04-01-2016","03-01-2016",2,6), (3,523,4,"01-02-2016","05-01-2016","03-01-2016",2,7), (4,175,4,"01-03-2016","04-01-2016","05-01-2016",1,3), (5,1324,4,"01-03-2016","06-01-2016","06-01-06",2,6), (6,94,4,"01-04-2016","07-01-2016","05-01-05",2,6), (7,324,4,"01-04-2016","07-01-2016","05-01-05",2,6), (8,1204,4,"01-04-2016","05-01-2016","05-01-05",2,7), (9,60,4,"01-05-2016","08-01-2016","08-01-08",1,2), (10,442,4,"01-05-2016","06-01-2016","06-01-06",2,6), (11,1326,4,"01-05-2016","08-01-2016","07-01-07",2,7), (12,91,4,"01-06-2016","08-01-2016","09-01-09",1,2), (13,873,4,"01-08-2016","11-01-2016","11-01-11",2,6), (14,258,4,"01-09-2016","11-01-2016","12-01-12",1,3), (15,450,4,"01-09-2016","10-01-2016","12-01-12",2,7), (16,552,4,"01-12-2016","15-01-2016","15-01-15",1,3), (17,1175,4,"01-12-2016","14-01-2016","14-01-14",1,3), (18,541,4,"01-14-2016","17-01-2016","15-01-15",1,3), (19,696,4,"01-14-2016","17-01-2016","16-01-16",1,2), (20,923,4,"01-14-2016","16-01-2016","17-01-17",1,2);	Error Code: 1292. Incorrect date value: '01-01-2016' for column 'order_date' at row 1	0.000 sec
28	00:06:12	INSERT INTO orders VALUES (1,259,4,"2016-01-01","2016-01-03","2016-01-03",1,2), (2,1212,4,"2016-01-01","2016-01-04","2016-01-03",2,6), (3,523,4,"2016-01-02","2016-01-05","2016-01-03",2,7), (4,175,4,"2016-01-03","2016-01-04","2016-01-05",1,3), (5,1324,4,"2016-01-03","2016-01-06","2016-01-06",2,6), (6,94,4,"2016-01-04","2016-01-07","2016-01-05",2,6), (7,324,4,"2016-01-04","2016-01-07","2016-01-05",2,6), (8,1204,4,"2016-01-04","2016-01-05","2016-01-05",2,7), (9,60,4,"2016-01-05","2016-01-08","2016-01-08",1,2), (10,442,4,"2016-01-05","2016-01-06","2016-01-06",2,6), (11,1326,4,"2016-01-05","2016-01-08","2016-01-07",2,7), (12,91,4,"2016-01-06","2016-01-08","2016-01-09",1,2), (13,873,4,"2016-01-08","2016-01-11","2016-01-11",2,6), (14,258,4,"2016-01-09","2016-01-11","2016-01-12",1,3), (15,450,4,"2016-01-09","2016-01-10","2016-01-12",2,7), (16,552,4,"2016-01-12","2016-01-15","2016-01-15",1,3), (17,1175,4,"2016-01-12","2016-01-14","2016-01-14",1,3), (18,541,4,"2016-01-14","2016-01-17","2016-01-15",1,3), (19,696,4,"2016-01-14","2016-01-17","2016-01-16",1,2), (20,923,4,"2016-01-14","2016-01-16","2016-01-17",1,2);	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.016 sec

```

221 -- insert the values into products table
222 • INSERT INTO products VALUES
223 (1,"Trek 820 - 2016",9,6,2016,379.99),
224 (2,"Ritchey Timberwolf Frameset - 2016",5,6,2016,749.99),
225 (3,"Surly Wednesday Frameset - 2016",8,6,2016,999.99),
226 (4,"Trek Fuel EX 8 29 - 2016",9,6,2016,2899.99),
227 (5,"Heller Shagmaw Frame - 2016",3,6,2016,1320.99),
228 (6,"Surly Ice Cream Truck Frameset - 2016",8,6,2016,469.99),
229 (7,"Trek Slash 8 27.5 - 2016",9,6,2016,3999.99),
230 (8,"Trek Remedy 29 Carbon Frameset - 2016",9,6,2016,1799.99),
231 (9,"Trek Conduitt+ - 2016",9,5,2016,2999.99),
232 (10,"Surly Straggler - 2016",8,4,2016,1549),
233 (11,"Surly Straggler 650b - 2016",8,4,2016,1680.99),
234 (12,"Electra Townie Original 21D - 2016",1,3,2016,549.99),
235 (13,"Electra Cruiser 1 (24-Inch) - 2016",1,3,2016,269.99),
236 (14,"Electra Girl's Hawaii 1 (16-Inch) - 2015/2016",1,3,2016,269.99),
237 (15,"Electra Moto 1 - 2016",1,3,2016,529.99),
238 (16,"Electra Townie Original 7D EQ - 2016",1,3,2016,599.99),
239 (17,"Pure Cycles Vine 8-Speed - 2016",4,3,2016,429),
240 (18,"Pure Cycles Western 3-Speed - Women's - 2015/2016",4,3,2016,449),
241 (19,"Pure Cycles William 3-Speed - 2016",4,3,2016,449),
242 (20,"Electra Townie Original 7D EQ - Women's - 2016",1,3,2016,599.99);
243
---
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	00:06:12	INSERT INTO orders VALUES (1,259,4,"2016-01-01","2016-01-03","2016-01-03",1,2), (2,1212,4,"2016-01-01","2016-01-04","2016-01-03",2,6), (3,523,4,"2016-01-02","2016-01-05","2016-01-03",2,7), (4,175,4,"2016-01-03","2016-01-04","2016-01-05",1,3), (5,1324,4,"2016-01-03","2016-01-06","2016-01-06",2,6), (6,94,4,"2016-01-04","2016-01-07","2016-01-05",2,6), (7,324,4,"2016-01-04","2016-01-07","2016-01-05",2,6), (8,1204,4,"2016-01-04","2016-01-05","2016-01-05",2,7), (9,60,4,"2016-01-05","2016-01-08","2016-01-08",1,2), (10,442,4,"2016-01-05","2016-01-06","2016-01-06",2,6), (11,1326,4,"2016-01-05","2016-01-08","2016-01-07",2,7), (12,91,4,"2016-01-06","2016-01-08","2016-01-09",1,2), (13,873,4,"2016-01-08","2016-01-11","2016-01-11",2,6), (14,258,4,"2016-01-09","2016-01-11","2016-01-12",1,3), (15,450,4,"2016-01-09","2016-01-10","2016-01-12",2,7), (16,552,4,"2016-01-12","2016-01-15","2016-01-15",1,3), (17,1175,4,"2016-01-12","2016-01-14","2016-01-14",1,3), (18,541,4,"2016-01-14","2016-01-17","2016-01-15",1,3), (19,696,4,"2016-01-14","2016-01-17","2016-01-16",1,2), (20,923,4,"2016-01-14","2016-01-16","2016-01-17",1,2);	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.016 sec
29	00:13:17	INSERT INTO products VALUES (1,"Trek 820 - 2016",9,6,2016,379.99), (2,"Ritchey Timberwolf Frameset - 2016",5,6,2016,749.99), (3,"Surly Wednesday Frameset - 2016",8,6,2016,999.99), (4,"Trek Fuel EX 8 29 - 2016",9,6,2016,2899.99), (5,"Heller Shagmaw Frame - 2016",3,6,2016,1320.99), (6,"Surly Ice Cream Truck Frameset - 2016",8,6,2016,469.99), (7,"Trek Slash 8 27.5 - 2016",9,6,2016,3999.99), (8,"Trek Remedy 29 Carbon Frameset - 2016",9,6,2016,1799.99), (9,"Trek Conduitt+ - 2016",9,5,2016,2999.99), (10,"Surly Straggler - 2016",8,4,2016,1549), (11,"Surly Straggler 650b - 2016",8,4,2016,1680.99), (12,"Electra Townie Original 21D - 2016",1,3,2016,549.99), (13,"Electra Cruiser 1 (24-Inch) - 2016",1,3,2016,269.99), (14,"Electra Girl's Hawaii 1 (16-Inch) - 2015/2016",1,3,2016,269.99), (15,"Electra Moto 1 - 2016",1,3,2016,529.99), (16,"Electra Townie Original 7D EQ - 2016",1,3,2016,599.99), (17,"Pure Cycles Vine 8-Speed - 2016",4,3,2016,429), (18,"Pure Cycles Western 3-Speed - Women's - 2015/2016",4,3,2016,449), (19,"Pure Cycles William 3-Speed - 2016",4,3,2016,449), (20,"Electra Townie Original 7D EQ - Women's - 2016",1,3,2016,599.99);	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.015 sec

```

245 -- insert the values into staffs table
246 • INSERT INTO staffs VALUES
247 (1,"Fabiola","Jackson","fabiola.jackson@bikes.shop","8315555554",1,1,NULL),
248 (2,"Mireya","Copeland","mireya.copeland@bikes.shop","8315555555",1,1,1),
249 (3,"Genna","Serrano","genna.serrano@bikes.shop","8315555556",1,1,2),
250 (4,"Virgie","Wiggins","virgie.wiggins@bikes.shop","8315555557",1,1,2),
251 (5,"Jannette","David","jannette.david@bikes.shop","5163794444",1,2,1),
252 (6,"Marcelene","Boyer","marcelene.boyer@bikes.shop","5163794445",1,2,5),
253 (7,"Venita","Daniel","venita.daniel@bikes.shop","5163794446",1,2,5),
254 (8,"Kali","Vargas","kali.vargas@bikes.shop","9725305555",1,3,1),
255 (9,"Layla","Terrell","layla.terrell@bikes.shop","9725305556",1,3,7),
256 (10,"Bernardine","Houston","bernardine.houston@bikes.shop","9725305557",1,3,7);
257
---
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
29	00:13:17	INSERT INTO products VALUES (1,"Trek 820 - 2016",9,6,2016,379.99), (2,"Ritchey Timberwolf Frameset - 2016",5,6,2016,749.99), (3,"Surly Wednesday Frameset - 2016",8,6,2016,999.99), (4,"Trek Fuel EX 8 29 - 2016",9,6,2016,2899.99), (5,"Heller Shagmaw Frame - 2016",3,6,2016,1320.99), (6,"Surly Ice Cream Truck Frameset - 2016",8,6,2016,469.99), (7,"Trek Slash 8 27.5 - 2016",9,6,2016,3999.99), (8,"Trek Remedy 29 Carbon Frameset - 2016",9,6,2016,1799.99), (9,"Trek Conduitt+ - 2016",9,5,2016,2999.99), (10,"Surly Straggler - 2016",8,4,2016,1549), (11,"Surly Straggler 650b - 2016",8,4,2016,1680.99), (12,"Electra Townie Original 21D - 2016",1,3,2016,549.99), (13,"Electra Cruiser 1 (24-Inch) - 2016",1,3,2016,269.99), (14,"Electra Girl's Hawaii 1 (16-Inch) - 2015/2016",1,3,2016,269.99), (15,"Electra Moto 1 - 2016",1,3,2016,529.99), (16,"Electra Townie Original 7D EQ - 2016",1,3,2016,599.99), (17,"Pure Cycles Vine 8-Speed - 2016",4,3,2016,429), (18,"Pure Cycles Western 3-Speed - Women's - 2015/2016",4,3,2016,449), (19,"Pure Cycles William 3-Speed - 2016",4,3,2016,449), (20,"Electra Townie Original 7D EQ - Women's - 2016",1,3,2016,599.99);	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.015 sec
30	00:17:12	INSERT INTO staffs VALUES (1,"Fabiola","Jackson","fabiola.jackson@bikes.shop","8315555554",1,1,NULL), (2,"Mireya","Copeland","mireya.copeland@bikes.shop","8315555555",1,1,1), (3,"Genna","Serrano","genna.serrano@bikes.shop","8315555556",1,1,2), (4,"Virgie","Wiggins","virgie.wiggins@bikes.shop","8315555557",1,1,2), (5,"Jannette","David","jannette.david@bikes.shop","5163794444",1,2,1), (6,"Marcelene","Boyer","marcelene.boyer@bikes.shop","5163794445",1,2,5), (7,"Venita","Daniel","venita.daniel@bikes.shop","5163794446",1,2,5), (8,"Kali","Vargas","kali.vargas@bikes.shop","9725305555",1,3,1), (9,"Layla","Terrell","layla.terrell@bikes.shop","9725305556",1,3,7), (10,"Bernardine","Houston","bernardine.houston@bikes.shop","9725305557",1,3,7);	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.032 sec

259 • ALTER TABLE stocks DROP PRIMARY KEY;

Output

#	Time	Action	Message	Duration / Fetch
30	00:17:12	INSERT INTO staffs VALUES (1,"Fabola","Jackson","Tabiola.jackson@bikes.shop","831555554",1,1,NULL...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.032 sec
31	00:24:45	ALTER TABLE stocks DROP PRIMARY KEY	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.062

261

262 -- insert the values into stocks table

263 • INSERT INTO stocks VALUES

264 (1,1,27),

265 (1,2,5),

266 (1,3,6),

267 (1,4,23),

268 (1,5,22),

269 (1,6,8),

270 (1,7,8),

271 (1,8,0),

272 (1,9,11),

273 (1,10,15),

274 (1,11,8),

275 (1,12,16),

276 (1,13,13),

277 (1,14,8),

278 (1,15,3),

279 (1,16,4),

280 (1,17,2),

281 (1,18,16),

282 (1,19,4),

283 (1,20,26);

284

285

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

#	Time	Action	Message	Duration / Fetch
31	00:24:45	ALTER TABLE stocks DROP PRIMARY KEY	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.062 sec
32	00:25:36	INSERT INTO stocks VALUES (1,1,27), (1,2,5), (1,3,6), (1,4,23), (1,5,22), (1,6,0), (1,7,8), (1,8,0), (1,9,11), (1,10,15), (1,11,8), (1,12,16), (1,13,13), (1,14,8), (1,15,3), (1,16,4), (1,17,2), (1,18,16), (1,19,4), (1,20,26);	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.031

286 -- insert the values into stores table

287 • INSERT INTO stores VALUES

288 (1,"Santa Cruz Bikes","8314764321","santacruz@bikes.shop","3700 Portola Drive","Santa Cruz","CA",95060),

289 (2,"Baldwin Bikes","5163798888","baldwin@bikes.shop","4200 Chestnut Lane","Baldwin","NY",11432),

290 (3,"Rowlett Bikes","9725305555","rowlett@bikes.shop","8000 Fairway Avenue","Rowlett","TX",75088);

Output

#	Time	Action	Message	Duration / Fetch
30	00:17:12	INSERT INTO staffs VALUES (1,"Fabola","Jackson","Tabiola.jackson@bikes.shop","831555554",1,1,NULL...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.032 sec
31	00:24:45	ALTER TABLE stocks DROP PRIMARY KEY	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.062 sec
32	00:25:36	INSERT INTO stocks VALUES (1,1,27), (1,2,5), (1,3,6), (1,4,23), (1,5,22), (1,6,0), (1,7,8), (1,8,0), (1,9,11), (1,10,15), (1,11,8), (1,12,16), (1,13,13), (1,14,8), (1,15,3), (1,16,4), (1,17,2), (1,18,16), (1,19,4), (1,20,26);	20 row(s) affected Records: 20 Duplicates: 0 Warnings: 0	0.031 sec
33	00:29:25	INSERT INTO stores VALUES (1,"Santa Cruz Bikes","8314764321","santacruz@bikes.shop","3700 Portola ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.031 sec

291

292 -- to check the values from the table brands

293 • SELECT * FROM brands;

Result Grid

brand_id	brand_name
1	Electra
2	Haro
3	Heller
4	Pure Cycles
5	Ritchey

brands 10 x

Output

#	Time	Action	Message	Duration / Fetch
33	00:29:25	INSERT INTO stores VALUES (1,"Santa Cruz Bikes","8314764321","santacruz@bikes.shop","3700 Portola ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.031 sec
34	00:31:59	SELECT * FROM brands LIMIT 0, 1000	9 row(s) returned	0.015 sec / 0.000 sec
35	00:32:33	SELECT * FROM categories LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
36	00:36:32	SELECT * FROM brands LIMIT 0, 1000	9 row(s) returned	0.016 sec / 0.000 sec

```
296
297 -- to check the values from the table categories
298 • SELECT * FROM categories;
299
```

Result Grid

category_id	category_name
1	Children Bicycles
2	Comfort Bicycles
3	Cruisers Bicycles
4	Cyclocross Bicycles
5	Electric Bikes

categories 11 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
36	00:36:32	SELECT * FROM brands LIMIT 0, 1000	9 row(s) returned	0.016 sec / 0.000 sec
37	00:37:51	SELECT * FROM categories LIMIT 0, 1000	7 row(s) returned	0.016

```
300
301 -- to check the values from the table customers
302 • SELECT * FROM customers;
303
```

Result Grid

customer_id	first_name	last_name	phone	email	street	city	state	zip_code
1	Debra	Burks	(415) 555-1234	debra.burks@yahoo.com	9273 Thorne Ave.	Orchard Park	NY	14127
2	Kasha	Todd	(415) 555-1234	kasha.todd@yahoo.com	910 Vine Street	Campbell	CA	95008
3	Tameka	Fisher	(415) 555-1234	tameka.fisher@aol.com	769C Honey Creek St.	Redondo Beach	CA	90278
4	Daryl	Spence	(415) 555-1234	daryl.spence@aol.com	988 Pearl Lane	Uniondale	NY	11553
5	Charolette	Rice	9163816003	charolette.rice@msn.com	107 River Dr.	Sacramento	CA	95820

customers 12 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
37	00:37:51	SELECT * FROM categories LIMIT 0, 1000	7 row(s) returned	0.016 sec / 0.000 sec
38	00:40:10	SELECT * FROM customers LIMIT 0, 1000	20 row(s) returned	0.000

```
304
305 -- to check the values from the table order_items
306 • SELECT * FROM order_items;
307
```

Result Grid

order_id	item_id	product_id	quantity	list_price	discount
1	1	20	1	599.99	0.2
1	2	8	2	1799.99	0.07
1	3	10	2	1549	0.05
1	4	16	2	599.99	0.05
1	5	4	1	2899.99	0.2

order_items 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
38	00:40:10	SELECT * FROM customers LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
39	00:42:00	SELECT * FROM order_items LIMIT 0, 1000	19 row(s) returned	0.000

```
309 -- to check the values from the table orders
310 • SELECT * FROM orders;
311
```

Result Grid

order_id	customer_id	order_status	order_date	required_date	shipped_date	store_id	staff_id
1	259	4	2016-01-01	2016-01-03	2016-01-03	1	2
2	1212	4	2016-01-01	2016-01-04	2016-01-03	2	6
3	523	4	2016-01-02	2016-01-05	2016-01-03	2	7
4	175	4	2016-01-03	2016-01-04	2016-01-05	1	3
5	1324	4	2016-01-03	2016-01-06	2016-01-06	2	6

orders 14 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
39	00:42:00	SELECT * FROM order_items LIMIT 0, 1000	19 row(s) returned	0.000 sec / 0.000 sec
40	00:43:18	SELECT * FROM orders LIMIT 0, 1000	20 row(s) returned	0.000


```

312
313 -- to check the values from the table products
314 • SELECT * FROM products;
315

```

product_id	product_name	brand_id	category_id	model_year	list_price
1	Trek 820 - 2016	9	6	2016	379.99
2	Ritchey Timberwolf Frameset - 2016	5	6	2016	749.99
3	Surly Wednesday Frameset - 2016	8	6	2016	999.99
4	Trek Fuel EX 8 29 - 2016	9	6	2016	2899.99
5	Heller Shagawam Frame - 2016	3	6	2016	1320.99

products 15 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
40	00:43:18	SELECT * FROM orders LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
41	00:44:30	SELECT * FROM products LIMIT 0, 1000	20 row(s) returned	0.015

```

316
317 -- to check the values from the table staffs
318 • SELECT * FROM staffs;
319

```

staff_id	first_name	last_name	email	phone	active	store_id	manager_id
1	Fabiola	Jackson	fabiola.jackson@bikes.shop	8315555554	1	1	none
2	Mireya	Copeland	mireya.copeland@bikes.shop	8315555555	1	1	1
3	Genna	Serrano	genna.serrano@bikes.shop	8315555556	1	1	2
4	Virgie	Wiggins	virgie.wiggins@bikes.shop	8315555557	1	1	2
5	Jannette	David	jannette.david@bikes.shop	5163794444	1	2	1

staffs 16 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
41	00:44:30	SELECT * FROM products LIMIT 0, 1000	20 row(s) returned	0.015 sec / 0.000 sec
42	00:46:30	SELECT * FROM staffs LIMIT 0, 1000	10 row(s) returned	0.000

```

320
321 -- to check the values from the table stocks
322 • SELECT * FROM stocks;
323
324

```

store_id	product_id	quantity
1	16	4
1	17	2
1	18	16
1	19	4
1	20	26

stocks 17 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
42	00:46:30	SELECT * FROM staffs LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
43	00:47:53	SELECT * FROM stocks LIMIT 0, 1000	20 row(s) returned	0.000

```

325
326 -- to check the values from the table stores
327 • SELECT * FROM stores;
328

```

store_id	store_name	phone	email	street	city	state	zip_code
1	Santa Cruz Bikes	8314764321	santacruz@bikes.shop	3700 Portola Drive	Santa Cruz	CA	95060
2	Baldwin Bikes	5163798888	baldwin@bikes.shop	4200 Chestnut Lane	Baldwin	NY	11432
3	Rowlett Bikes	9725305555	rowlett@bikes.shop	8000 Fairway Avenue	Rowlett	TX	75088

stores 18 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
43	00:47:53	SELECT * FROM stocks LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
44	00:49:12	SELECT * FROM stores LIMIT 0, 1000	3 row(s) returned	0.000

```

329 -- Key SQL Tasks:
330
331 -- 1. Store Performance - Total revenue generated by each store.
332 -- Task 1: Store Revenue Analysis
333 • SELECT
334     s.store_name,
335     SUM(i.list_price * i.quantity * (1 - i.discount)) AS Total_Revenue
336 FROM stores s
337 JOIN orders o ON s.store_id = o.store_id
338 JOIN order_items i ON o.order_id = i.order_id
339 GROUP BY s.store_name
340 ORDER BY Total_Revenue DESC;
341
342
343

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: **IS**

	store_name	Total_Revenue
▶	Baldwin Bikes	17053.408762703315
	Santa Cruz Bikes	11581.028313137105

Result 19 x

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
45	01:00:16	SELECT s.store_name, SUM(i.list_price * i.quantity * (1 - i.discount)) AS Total_Revenue FROM sales.st...	Error Code: 1049. Unknown database 'sales'	0.000 sec
46	01:01:05	SELECT s.store_name, SUM(i.list_price * i.quantity * (1 - i.discount)) AS Total_Revenue FROM stores ...	2 row(s) returned	0.016

disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.