

MySQL Workbench

Elevate_lab Task

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

onlineretaildb

Tables

data

Columns

InvoiceNo

StockCode

Description

Quantity

InvoiceDate

UnitPrice

CustomerID

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sample_demo

sql_advance

sys

Administration Schemas

Information

Column: CustomerID

Definition: CustomerID int

Object Info Session

Query 1

Limit to 1000 rows

```
1 • CREATE DATABASE IF NOT EXISTS OnlineRetailDB;
2 • USE OnlineRetailDB;
3
4 • SELECT * FROM data;
5 • SELECT Description, Quantity, UnitPrice
6 FROM data
7 WHERE Quantity > 5 AND UnitPrice > 3;
8
9
10 • SELECT InvoiceNo, Description, Quantity, UnitPrice
11 FROM data
12 ORDER BY Quantity DESC, UnitPrice ASC;
13
14 • SELECT Description, SUM(Quantity) AS TotalQuantity, AVG(UnitPrice) AS AverageUnitPrice
15 FROM data
16 GROUP BY Description;
17
18 • SELECT column_name(s)
19 FROM table1
20 INNER JOIN table2
21 ON table1.column_name = table2.column_name;
22
23
24 • SELECT column_name(s)
25 FROM table1
26 LEFT JOIN table2
27 ON table1.column_name = table2.column_name;
28
29
```

Query interrupted

MySQL Workbench

Elevate_lab Task x

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Filter objects

▼ onlineretaildb

▼ Tables

▼ data

▼ Columns

- ◆ InvoiceNo
- ◆ StockCode
- ◆ Description
- ◆ Quantity
- ◆ InvoiceDate
- ◆ UnitPrice
- ◆ CustomerID

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Query 1 x

Limit to 1000 rows

```
22
23
24 • SELECT column_name(s)
25 FROM table1
26 LEFT JOIN table2
27 ON table1.column_name = table2.column_name;
28
29
30 • SELECT column_name(s)
31 FROM table1
32 RIGHT JOIN table2
33 ON table1.column_name = table2.column_name;
34
35
36 • SELECT Description, Quantity
37 FROM data
38 WHERE Quantity > (SELECT AVG(Quantity) FROM data);
39
40
41 • CREATE VIEW HighQuantityProducts AS
42 SELECT Description, Quantity, UnitPrice
43 FROM data
44 WHERE Quantity > 10;
45
46 -- To query the view:
47 • SELECT * FROM HighQuantityProducts;
48
49 • CREATE INDEX idx_description ON data (Description);
50 • CREATE INDEX idx_stockcode ON data (StockCode);
```

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Query Completed

Ecommerce_MYSQL x

Limit to 1000 rows

```
40
41 • CREATE VIEW HighQuantityProducts AS
42 SELECT Description, Quantity, UnitPrice
43 FROM data
44 WHERE Quantity > 10;
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	InvoiceNo	StockCode	Description	Quantity	InvoiceDate	UnitPrice	CustomerID
▶	536365	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	12/01/2010 8:26	2.55	17850
	536365	71053	WHITE METAL LANTERN	6	12/01/2010 8:26	3.39	17850
	536365	844068	CREAM CUPID HEARTS COAT HANGER	8	12/01/2010 8:26	2.75	17850
	536365	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	12/01/2010 8:26	3.39	17850
	536365	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	12/01/2010 8:26	3.39	17850
	536365	22752	SET 7 BABUSHKA NESTING BOXES	2	12/01/2010 8:26	7.65	17850
	536365	21730	GLASS STAR FROSTED T-LIGHT HOLDER	6	12/01/2010 8:26	4.25	17850
	536366	22633	HAND WARMER UNION JACK	6	12/01/2010 8:28	1.85	17850
	536366	22632	HAND WARMER RED POLKA DOT	6	12/01/2010 8:28	1.85	17850
	536367	84879	ASSORTED COLOUR BIRD ORNAMENT	32	12/01/2010 8:34	1.69	13047
	536367	22745	POPPY'S PLAYHOUSE BEDROOM	6	12/01/2010 8:34	2.1	13047
	536367	22748	POPPY'S PLAYHOUSE KITCHEN	6	12/01/2010 8:34	2.1	13047
	536367	22749	FELTCRAFT PRINCESS CHARLOTTE DOLL	8	12/01/2010 8:34	3.75	13047
	536367	22310	IVORY KNITTED MUG COSY	6	12/01/2010 8:34	1.65	13047
	536367	84969	BOX OF 6 ASSORTED COLOUR TEASPOONS	6	12/01/2010 8:34	4.25	13047
	536367	22623	BOX OF VINTAGE JIGSAW BLOCKS	3	12/01/2010 8:34	4.95	13047
	536367	22622	BOX OF VINTAGE ALPHABET BLOCKS	2	12/01/2010 8:34	9.95	13047
	536367	21754	HOME BUILDING BLOCK WORD	3	12/01/2010 8:34	5.95	13047
	536367	21755	LOVE BUILDING BLOCK WORD	3	12/01/2010 8:34	5.95	13047
	536367	21777	RECIPE BOX WITH METAL HEART	4	12/01/2010 8:34	7.95	13047
	536367	48187	DOORMAT NEW ENGLAND	4	12/01/2010 8:34	7.95	13047
	536368	22960	JAM MAKING SET WITH JARS	6	12/01/2010 8:34	4.25	13047

DATA 26 x

Read Only

Output

Action Output

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Query Completed

Ecommerce_MYSQL x

Limit to 1000 rows

43 FROM data

44 WHERE Quantity > 10;

45

46 -- To query the view:

47 SELECT * FROM HighQuantityProducts;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Description	Quantity	UnitPrice
▶	ASSORTED COLOUR BIRD ORNAMENT	32	1.69
	ALARM CLOCK BAKELIKE PINK	24	3.75
	ALARM CLOCK BAKELIKE RED	24	3.75
	ALARM CLOCK BAKELIKE GREEN	12	3.75
	PANDA AND BUNNIES STICKER SHEET	12	0.85
	STARS GIFT TAPE	24	0.65
	INFLATABLE POLITICAL GLOBE	48	0.85
	VINTAGE HEADS AND TAILS CARD GAME	24	1.25
	SET/2 RED RETROSPOT TEA TOWELS	18	2.95
	ROUND SNACK BOXES SET OF4 WOODLAND	24	2.95
	SPACEBOY LUNCH BOX	24	1.95
	LUNCH BOX I LOVE LONDON	24	1.95
	CIRCUS PARADE LUNCH BOX	24	1.95
	CHARLOTTE BAG DOLLY GIRL DESIGN	20	0.85
	RED TOADSTOOL LED NIGHT LIGHT	24	1.65
	SET 2 TEA TOWELS I LOVE LONDON	24	2.95
	VINTAGE SEASIDE JIGSAW PUZZLES	12	3.75
	MINI JIGSAW CIRCUS PARADE	24	0.42
	MINI JIGSAW SPACEBOY	24	0.42
	MINI PAINT SET VINTAGE	36	0.65
	PAPER CHAIN KIT 50'S CHRISTMAS	80	2.55
	VICTORIAN SEWING BOX LARGE	32	10.95

HighQuantityProducts 27 x

Output

Action Output

Read Only