

MySQL Workbench

Aanchal_MySQL

File Edit View Query Database Server Tools Scripting Help

Navigator: Step_1_SQL_Data_Analysis Step_2_SQL_Data_Analysis Total Sales & Customer Overview SQL File 5

SCHEMAS

Filter objects

- ccdb
- collage
- company
- companydb
- contact_manager
- customer_behavior
- keishnasql
- megha
- practice
- retail_sales_db**
 - Tables
 - Views
 - Stored Procedure
 - Functions
- sakila
- startersql
- sys
- world
- yuktesh

1 USE retail_sales_db;

2

3 -- Query 1: Overall Sales Performance

4 SELECT

5 SUM(Total_Amount) AS Total_Sales,

6 COUNT(DISTINCT Customer_ID) AS Total_Customers,

7 (SUM(Total_Amount) / COUNT(DISTINCT Customer_ID)) AS Avg_Spend_Per_Customer

8 FROM retail_sales;

9

Result Grid

Total_Sales	Total_Customers	Avg_Spend_Per_Customer
456000.00	1000	456.000000

Administration

Information

Schema: retail_sales_db

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	07:35:17	SELECT SUM(Total_Amount) AS Total_Sales, COUNT(DISTINCT Customer_ID) AS ...	Error Code: 1046. No database selected Select the default DB to be used by double-clickin...	0.000 sec
2	07:35:40	SELECT SUM(Total_Amount) AS Total_Sales, COUNT(DISTINCT Customer_ID) AS ...	Error Code: 1046. No database selected Select the default DB to be used by double-clickin...	0.015 sec
3	07:38:05	SELECT SUM(Total_Amount) AS Total_Sales, COUNT(DISTINCT Customer_ID) AS ...	Error Code: 1146. Table 'retail_sales_db.retail_sales_db' doesn't exist	0.000 sec
4	07:40:05	USE retail_sales_db	0 row(s) affected	0.000 sec
5	07:40:05	SELECT SUM(Total_Amount) AS Total_Sales, COUNT(DISTINCT Customer_ID) AS T...	1 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

SQLAdditions

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

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Navigator: Step_1_SQL_Data_Analysis Step_2_SQL_Data_Analysis Total Sales & Customer Overview... Gender-wise Sales Analysis_SQ... SQL File 6

Limit to 1000 rows

SCHEMAS

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1 -- Query 2: Gender-wise Sales Analysis

2 SELECT

3 Gender,

4 SUM(Total_Amount) AS Total_Sales,

5 COUNT(*) AS Total_Transactions

6 FROM retail_sales

7 GROUP BY Gender

8 ORDER BY Total_Sales DESC;

9

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Result Grid

Gender	Total_Sales	Total_Transactions
Female	232840.00	510
Male	223160.00	490

Administration

Information

Schema: retail_sales_db

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	07:35:17	SELECT	SUM(Total_Amount) AS Total_Sales, COUNT(DISTINCT Customer_ID) AS ...	Error Code: 1046. No database selected Select the default DB to be used by double-clickin... 0.000 sec
2	07:35:40	SELECT	SUM(Total_Amount) AS Total_Sales, COUNT(DISTINCT Customer_ID) AS ...	Error Code: 1046. No database selected Select the default DB to be used by double-clickin... 0.015 sec
3	07:38:05	SELECT	SUM(Total_Amount) AS Total_Sales, COUNT(DISTINCT Customer_ID) AS ...	Error Code: 1146. Table 'retail_sales_db.retail_sales_db' doesn't exist 0.000 sec
4	07:40:05	USE retail_sales_db		0 row(s) affected 0.000 sec
5	07:40:05	SELECT	SUM(Total_Amount) AS Total_Sales, COUNT(DISTINCT Customer_ID) AS T...	1 row(s) returned 0.016 sec / 0.000 sec
6	07:42:03	SELECT	Gender, SUM(Total_Amount) AS Total_Sales, COUNT(*) AS Total_Trans...	2 row(s) returned 0.016 sec / 0.000 sec

Object Info Session

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator Step_1_SQL_Data_Analysis Step_2_SQL_Data_Analysis Total Sales & Customer Overvie... Gender-wise Sales Analysis_SQ... Monthly Sales Tre SQLAdditions

SCHEMAS

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1 • SELECT

2 DATE_FORMAT(Date, '%Y-%m') AS Month,

3 SUM(Total_Amount) AS Total_Sales

4 FROM retail_sales

5 GROUP BY DATE_FORMAT(Date, '%Y-%m')

6 ORDER BY DATE_FORMAT(Date, '%Y-%m');

7

Result Grid

Month	Total_Sales
2023-01	35450.00
2023-02	44060.00
2023-03	28990.00
2023-04	33870.00
2023-05	53150.00
2023-06	36715.00
2023-07	35465.00
2023-08	36960.00
2023-09	23620.00
2023-10	46580.00

Schema: retail_sales_db

Object Info Session

Output

#	Action	Time	Message	Duration / Fetch
6	07:42:03 SELECT Gender, SUM(Total_Amount) AS Total_Sales, COUNT(*) AS Total_Transactions		2 row(s) returned	0.016 sec / 0.000 sec
7	07:43:21 SELECT DATE_FORMAT(Transaction_Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total_Sales		Error Code: 1054. Unknown column 'Transaction_Date' in 'field list'	0.016 sec
8	07:44:23 DESCRIBE retail_sales		11 row(s) returned	0.016 sec / 0.000 sec
9	07:47:11 SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total_Sales		Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains ...	0.000 sec
10	07:47:15 SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total_Sales		Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains ...	0.000 sec
11	07:49:12 SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total_Sales		13 row(s) returned	0.015 sec / 0.000 sec

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MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator Step_2_SQL_Data_Analysis Total Sales & Customer Overvie... Gender-wise Sales Analysis_SQ... Monthly Sales Trend_SQL* Product_Categ...

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1 SELECT
2 Product_Category,
3 SUM(Total_Amount) AS Total_Sales,
4 COUNT(*) AS Total_Transactions
5 FROM retail_sales
6 GROUP BY Product_Category
7 ORDER BY Total_Sales DESC;
8

Result Grid

Product_Category	Total_Sales	Total_Transactions
Electronics	156905.00	342
Clothing	155580.00	351
Beauty	143515.00	307

Administration

Information

Schema: retail_sales_db

Object Info Session

Result 1

Output

#	Time	Action	Message	Duration / Fetch
7	07:43:21	SELECT DATE_FORMAT(Transaction_Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total_Sales	Error Code: 1054. Unknown column 'Transaction_Date' in field list	0.016 sec
8	07:44:23	DESCRIBE retail_sales	11 row(s) returned	0.016 sec / 0.000 sec
9	07:47:11	SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total_Sales	Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains ...	0.000 sec
10	07:47:15	SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total_Sales	Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains ...	0.000 sec
11	07:49:12	SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total_Sales	13 row(s) returned	0.015 sec / 0.000 sec
12	07:51:14	SELECT Product_Category, SUM(Total_Amount) AS Total_Sales, COUNT(*) AS Total_Transactions	3 row(s) returned	0.000 sec / 0.000 sec

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File Edit View Query Database Server Tools Scripting Help

Navigator: Total Sales & Customer Overvie... Gender-wise Sales Analysis_SQ... Monthly Sales Trend_SQL* Product Category-wise Sales_S... Age_Group-wise...

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1 SELECT
2 CASE
3 WHEN Age < 20 THEN 'Teen'
4 WHEN Age BETWEEN 20 AND 29 THEN '20s'
5 WHEN Age BETWEEN 30 AND 39 THEN '30s'
6 WHEN Age BETWEEN 40 AND 49 THEN '40s'
7 ELSE '50+'
8 END AS Age_Group,
9 SUM(Total_Amount) AS Total_Sales,
10 COUNT(*) AS Total_Transactions
11 FROM retail_sales
12 GROUP BY Age_Group
13 ORDER BY Total_Sales DESC;
14

Result Grid

Age_Group	Total_Sales	Total_Transactions
50+	143155.00	336
20s	97070.00	209
30s	96325.00	191
40s	93365.00	222
Teen	26085.00	42

Administration

Information

Schema: retail_sales_db

Result 1 x

Output

#	Time	Action	Message	Duration / Fetch
8	07:44:23	DESCRIBE retail_sales	11 row(s) returned	0.016 sec / 0.000 sec
9	07:47:11	SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total...	Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains ...	0.000 sec
10	07:47:15	SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total...	Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains ...	0.000 sec
11	07:49:12	SELECT DATE_FORMAT(Date, '%Y-%m') AS Month, SUM(Total_Amount) AS Total...	13 row(s) returned	0.015 sec / 0.000 sec
12	07:51:14	SELECT Product_Category, SUM(Total_Amount) AS Total_Sales, COUNT(*) AS ...	3 row(s) returned	0.000 sec / 0.000 sec
13	07:52:36	SELECT CASE WHEN Age < 20 THEN 'Teen' WHEN Age BETWEEN 20 ...	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

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