

Elevate Labs

Task 6: Sales Trend Analysis Using Aggregations

Presented By: Abijin Suvedha A

Output:

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

```
1 DROP TABLE IF EXISTS online_sales;
2
3 CREATE TABLE online_sales (
4     order_id INT PRIMARY KEY,
5     order_date DATE,
6     amount DECIMAL(10,2),
7     product_id VARCHAR(10),
8     product_name VARCHAR(100)
9 );
10
11 SHOW VARIABLES LIKE 'secure_file_priv';
12
13 -- Step 2: Import CSV data into MySQL
14 LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv'
15 INTO TABLE online_sales
16 FIELDS TERMINATED BY ',';
```

The Output tab shows the results of these queries:

#	Time	Action	Message	Duration / Fetch
1	19:33:12	CREATE TABLE IF NOT EXISTS online_sales (order_id INT PRIMARY KEY, order_date DATE, amount ...	0 row(s) affected	0.141 sec
2	19:35:33	LOAD DATA INFILE 'C:/Users/aaibj/OneDrive/Desktop/online_sales.csv' INTO TABLE online_sales FIELDS TE...	Error Code: 1290. The MySQL server is running with the --secure-file-priv option so it cannot execute this statement	0.016 sec
3	19:37:38	SHOW VARIABLES LIKE 'secure_file_priv'	1 row(s) returned	0.000 sec / 0.000 sec
4	19:39:25	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv' INTO TABLE online...	Error Code: 1262. Row 1 was truncated: it contained more data than there were input columns	0.000 sec
5	19:40:58	DROP TABLE IF EXISTS online_sales	0 row(s) affected	0.032 sec
6	19:41:02	CREATE TABLE online_sales (order_id INT PRIMARY KEY, order_date DATE, amount DECIMAL(10,2), ...	0 row(s) affected	0.047 sec
7	19:41:09	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv' INTO TABLE online...	Error Code: 1262. Row 1 was truncated: it contained more data than there were input columns	0.015 sec
8	19:41:29	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv' INTO TABLE online...	500 row(s) affected Records: 500 Deleted: 0 Skipped: 0 Warnings: 0	0.031 sec

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

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6     amount DECIMAL(10,2),
7     product_id VARCHAR(10),
8     product_name VARCHAR(100)
9 );
10
11 SHOW VARIABLES LIKE 'secure_file_priv';
12
13 -- Step 2: Import CSV data into MySQL
14 LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv'
15 INTO TABLE online_sales
16 FIELDS TERMINATED BY ','
17 ENCLOSED BY '"'
18 LINES TERMINATED BY '\n'
19 IGNORE 1 ROWS
20 (order_id, order_date, amount, product_id, product_name);
21
```

The Output tab shows the results of these queries:

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MySQL Workbench

Local MySQL x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ecommerce

sys

Administration Schemas

Information

No object selected

Object Info Session

ELT10

Limit to 1000 rows

23 SELECT YEAR(order_date) AS sales_year, MONTH(order_date) AS sales_month, SUM(amount) AS total_revenue, COUNT(DISTINCT order_id) AS total_orders

24 FROM online_sales

25 GROUP BY sales_year, sales_month

26 ORDER BY sales_year, sales_month

27

Result Grid

sales_year	sales_month	total_revenue	total_orders
2023	10	54804.81	21
2023	11	61896.79	25
2023	12	37797.07	12
2024	1	71905.05	28
2024	2	55460.97	20
2024	3	49294.32	19
2024	4	51298.59	21
2024	5	67422.58	25
2024	6	61227.29	21
2024	7	48774.02	18
2024	8	31857.07	13
2024	9	60726.37	21
2024	10	56823.01	24
2024	11	36830.17	19
2024	12	34630.02	16
2025	1	75174.66	28

Result 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	19:40:58	DROP TABLE IF EXISTS online_sales	0 row(s) affected	0.032 sec
6	19:41:02	CREATE TABLE online_sales (order_id INT PRIMARY KEY, order_date DATE, amount DECIMAL(10,2))	0 row(s) affected	0.047 sec
7	19:41:09	LOAD DATA INFILE C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv INTO TABLE online_sales	Error Code: 1262. Row 1 was truncated. It contained more data than there were input columns	0.015 sec
8	19:41:29	LOAD DATA INFILE C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv INTO TABLE online_sales	500 row(s) affected Records: 500 Deleted: 0 Skipped: 0 Warnings: 0	0.031 sec
9	19:43:38	SELECT YEAR(order_date) AS sales_year, MONTH(order_date) AS sales_month, SUM(amount) AS total_revenue, COUNT(DISTINCT order_id) AS total_orders	24 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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

MySQL Workbench

Local MySQL x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

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Administration Schemas

Information

No object selected

Object Info Session

ELT10

Limit to 1000 rows

25 GROUP BY sales_year, sales_month

26 ORDER BY sales_year, sales_month

27

28 SELECT YEAR(order_date) AS sales_year, MONTH(order_date) AS sales_month, SUM(amount) AS total_revenue, COUNT(DISTINCT order_id) AS total_orders

29 FROM online_sales WHERE order_date >= DATE_SUB(CURDATE(), INTERVAL 12 MONTH)

30 GROUP BY sales_year, sales_month

31 ORDER BY sales_year, sales_month

32

Result Grid

sales_year	sales_month	total_revenue	total_orders
2024	10	56823.01	24
2024	11	36830.17	19
2024	12	34630.02	16
2025	1	75174.66	28
2025	2	66393.14	25
2025	3	21920.01	9
2025	4	61707.74	27
2025	5	27196.30	12
2025	6	42033.42	21
2025	7	76671.92	30
2025	8	84161.98	29
2025	9	37129.95	16

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
6	19:41:02	CREATE TABLE online_sales (order_id INT PRIMARY KEY, order_date DATE, amount DECIMAL(10,2))	0 row(s) affected	0.047 sec
7	19:41:09	LOAD DATA INFILE C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/online_sales.csv INTO TABLE online_sales	Error Code: 1262. Row 1 was truncated. It contained more data than there were input columns	0.015 sec
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9	19:43:38	SELECT YEAR(order_date) AS sales_year, MONTH(order_date) AS sales_month, SUM(amount) AS total_revenue, COUNT(DISTINCT order_id) AS total_orders	24 row(s) returned	0.000 sec / 0.000 sec
10	19:45:08	SELECT YEAR(order_date) AS sales_year, MONTH(order_date) AS sales_month, SUM(amount) AS total_revenue, COUNT(DISTINCT order_id) AS total_orders	12 row(s) returned	0.016 sec / 0.000 sec

SQLAdditions

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