

Explorer



- ▼ Databases 1
 - ▼ ecommerce_db (Default)
 - ▼ Tables 2
 - ▶ orders
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 - 👁 Views 0
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 - Σ Functions 0
 - ≡ Procedures 0
 - ▶ information_schema
 - ▶ mysql
 - ▶ performance_schema
 - ▶ sys

🔍 Queries 0 Preview

< <> Untitled query • <> Untitled query • <> Untitled query • <> Untitled query • <> Untitled query • >

+ ⚙️ Gemini settings ▼

▶ Run Save ▼ Format Clear

✔ Valid

```
1 show tables;  
2
```

Results

Execution time: 2.3 ms ⬇ Export ▼ 🔍 ▼

Tables_in_ecommerce_db

orders
payments

Rows per page: 20 ▼ 1 – 2 of 2 |< < > >|

Google Cloud

Bhanu Project 1

Search (/) for resources, docs, products, and more

Search

5

B

All instances > e-commerce

Explorer

Databases 1

ecommerce_db (Default)

Tables 2

Views 0

Events 0

Functions 0

Procedures 0

information_schema

mysql

performance_schema

sys

Queries 0

Preview

< Untitled query

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Run

Save

Format

Clear

1 select user_id, count(order_id) as total_orders

2 from orders

3 group By user_id;

4

Results

Execution time: 1.1 ms

Export

user_id	total_orders
101	2
102	2
103	1

Rows per page: 20

1 - 3 of 3

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Valid

Firestore

☆

Database

Firestore Studio

Security

Indexes

Import/Export

Disaster Recovery

Time-to-live (TTL)

Insights

Usage

Query insights

Monitoring

Key Visualizer

Release Notes

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All databases > Database (default) ⓘ

Panel view

Query builder

/ > activity_logs > OldHHYTVQWw2PnXTES9M ✎

(default)	activity_logs ⌵ ⋮	OldHHYTVQWw2PnXTES9M ⋮
+ Start collection	+ Add document	+ Start collection
activity_logs >	OldHHYTVQWw2PnXTES9M >	+ Add field
	5t6mMBBcksDIDONw0qZp	event: "view_product"
	6egyNH0nKM1Buav6n0SG	product_id: "P006"
	Phv90YaSz4dU6OzXA1Vg	timestamp: December 22, 2025 at 2:28:00.000A...
	uzurQc4aaysaMxQdBHgF	user_id: 102
	ye6cmbNljX2uca19e3Xy	

Query scope

Collection

Collection *

/activity_logs

Limit *

100

Selection

ORDER BY

Field

user_id

Order

descending

Add to query

Results

Analysis

Query results

Document ID	event	product_id	timestamp	user_id
Phv90YaSz4dU6OzXA1Vg	"place_order"	"P005"	December 22, 2025 at 2:30:00 AM UTC+5:30	103
uzurQc4aaysaMxQdBGhF	"remove_from_cart"	"P006"	December 22, 2025 at 2:29:00 AM UTC+5:30	102
5t6mMBBcksDIDONw0qZp	"check_out"	"P002"	December 22, 2025 at 2:00:20 PM UTC+5:30	102
0ldHHYTVQWw2PnXTES9M	"view_product"	"P006"	December 22, 2025 at 2:28:00 AM UTC+5:30	102
ye5cmbNljX2uca19e3Xy	"add_to_cart"	"P001"	December 22, 2025 at 2:00:20 PM UTC+5:30	101
6egyNH0nKM1Buav6n0SG	"logout"	"P001"	December 22, 2025 at 2:31:00 AM UTC+5:30	101

Why SQL is chosen for transactions:

1. When a customer places an order or makes payment, the data must be correct.
2. We cannot afford mistakes like double payment or missing order.
3. SQL databases give ACID guarantees, meaning the transaction fully completes or it rolls back.
4. Order and payment tables are related, so relational database fits well.
5. The structure of these tables does not change much, so fixed schema works.
6. SQL supports foreign keys, joins, constraints that protect integrity.
7. If two users order at the same time, SQL can handle concurrency safely.
8. Transaction history needs accuracy for audits, refunds, billing.
9. SQL writes are slower but reliable for financial operations.
10. That reliability makes SQL the preferred choice for money-related operations.

Why NoSQL is chosen for logs:

1. User activities generate huge amounts of data every second.
2. Logging every click to SQL would be slow and expensive.
3. NoSQL can handle high-speed continuous writes easily.
4. Logs do not need relationships or transactions.
5. Logs are mostly append-only, rarely updated.
6. Structure of logs can change anytime, NoSQL allows flexible schema.
7. Scaling NoSQL horizontally is easier and cheaper.
8. Storing large logs long-term costs less than SQL.
9. For analytics we mainly query latest N events, NoSQL supports indexed timestamps well.
10. NoSQL fits better for high volume, flexible, real-time logging workloads.