



Text-to-SQL using Agentic AI

Ask natural language questions and let the **Agentic AI** query the **ComicStore SQLite database** for you.

Enter your question:

What are the Top 10 most sold comics?

Run Query

Show Agent Reasoning



Final Answer

The top 10 most sold comics are:

- Wolverine: Old Man Logan (3)
- V for Vendetta (2)
- Usagi Yojimbo Volume 1 (2)
- Transformers: All Hail Megatron (2)
- The Killing Joke (2)
- The Boys Volume 1 (2)
- Superman: Red Son (2)
- Punisher: Welcome Back, Frank (2)
- Preacher Volume 1 (2)
- Ms. Marvel Volume 1 (2)



Agent Reasoning

HUMAN: What are the Top 10 most sold comics?

AI:

Step 1: List all tables in the database

To start solving this problem, I need to first identify the relevant table(s) in the database that contain information about comic sales. I will use the `sql_db_list_tables` tool to get a list of all tables in the database.

Step 2: Get the schema of relevant tables

Once I have identified the relevant table(s), I will use the `sql_db_schema` tool to get the schema of those tables. This will help me understand the structure of the data and which columns I need to query.

Step 3: Construct a query to get the Top 10 most sold comics

After understanding the schema of the relevant table(s), I will construct a SQL query to get the Top 10 most sold comics. I will use the `sql_db_query` tool to execute this query.

Step 4: Execute the query and get the results

I will execute the query and get the results.

5: Return the results in markdown format

Finally, I will return the results in markdown format.

Let's start with Step 1.

Step 6: List all tables in the database

TOOL: Branch, Comic, Customer, Employee, Inventory, Publisher, Sale, SaleTransactions

AI:

TOOL:

```
SELECT Comic.Title, SUM(SaleTransactions.Quantity) AS TotalSales
FROM SaleTransactions
INNER JOIN Comic ON SaleTransactions.ComicID = Comic.ComicID
GROUP BY Comic.Title
ORDER BY TotalSales DESC
LIMIT 10;
```

AI:

TOOL: [('Wolverine: Old Man Logan', 3), ('V for Vendetta', 2), ('Usagi Yojimbo Volume 1', 2), ('Transformers: All Hail Megatron', 2), ('The Killing Joke', 2), ('The Boys Volume 1', 2), ('Superman: Red Son', 2), ('Punisher: Welcome Back, Frank', 2), ('Preacher Volume 1', 2), ('Ms. Marvel Volume 1', 2)]

AI: The top 10 most sold comics are:

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- Punisher: Welcome Back, Frank (2)
 - Preacher Volume 1 (2)
 - Ms. Marvel Volume 1 (2)
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