



Users

**Query:** Find the latest order from PolyU that requires blue XL sweaters, increase the quantity of the blue XL sweater by 10 units, and then allocate the production tasks for this order. Finally, return the completion progress.

**Response:** Let's break down the task and see what we have accomplished for the latest order from PolyU ...

### Query Rewriting

Information Pre-Recognition

Request clarification

### Multi-Step Dynamical Operations Generation

Text2SQL

LLM Agent

COT

### Responses Generator

### Rewritten Query

Find xxx <customers.customer\_name = 'PolyU'> that requires a <products.attributes = 'Blue, XL size'>, <products\_types.description = 'Sweater'>, increase the quantity of the product by 10 units and then allocate the production tasks for this order. Finally, return the completion progress.

### Chain of Operations

Step 1: SQL

SELECT id FROM customers WHERE customer\_name = 'PolyU';

Results

...

Step 6: Tool

**Tool:** allocate\_task\_order  
**Parameters:**  
'id':<order\_id\_from\_step3>  
'name':<name\_from\_step3>  
'worker\_id ':<id\_from\_step5>

Parameters

Results

...

Step 7: Thought

Calculate the completion progress for sewing task:  
**Thought Step:**  
**Using the provided data:**  
**Thus, the completion progress is:**

Context

Results

Context