AI Agent Workflow

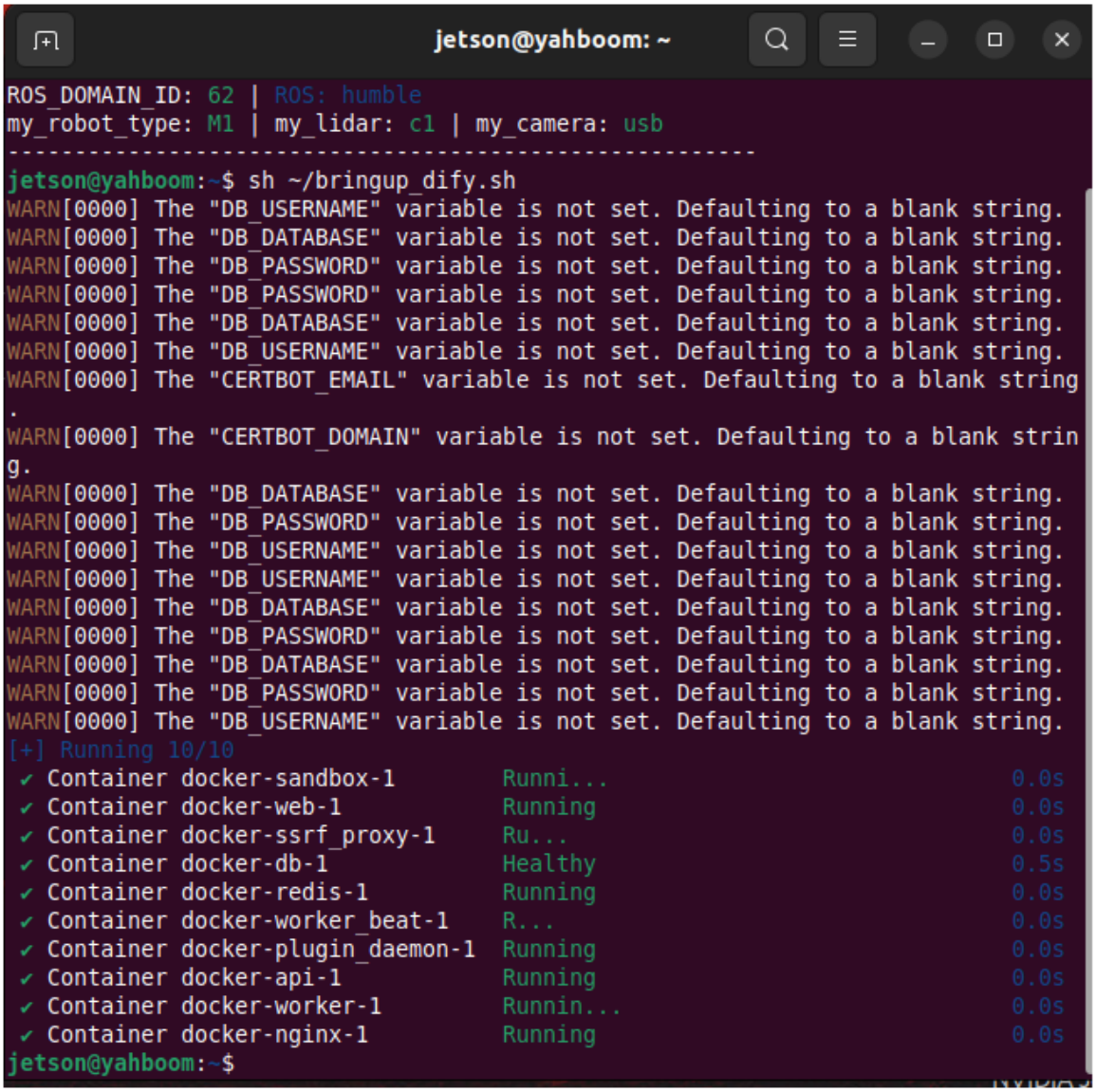
1. Course Content

- Build intelligent agent workflows using multiple large AI models to implement complex logical functions.
- Please note that DOFBOT-PRO uses Dify, which is a chatbot platform. This tutorial is provided for users who are interested in learning about and developing with this platform.

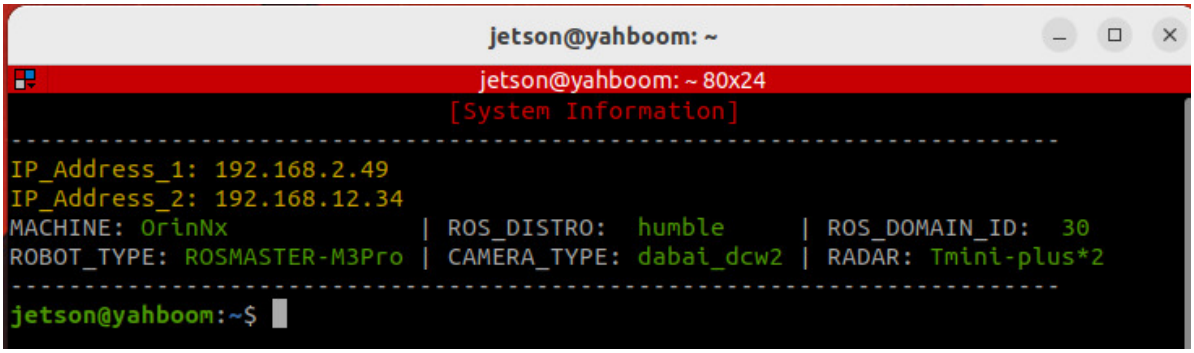
2. Start the Dify Service

- Connect to the car's infotainment system via VNC or SSH. Enter the following command in the terminal:

```
sh ~/bringup_dify.sh
```

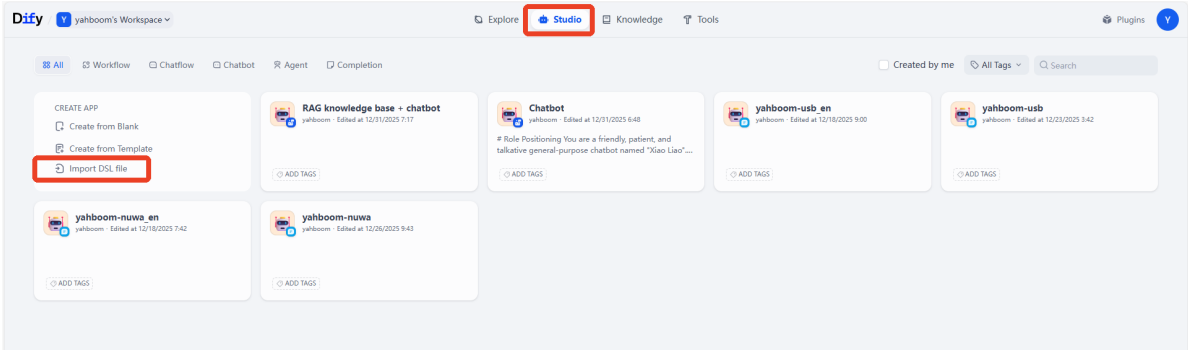


- Check the car's IP address. You can do this through the OLED screen, using `ifconfig`, or directly in the terminal. Enter the car's IP address directly into your browser's address bar to access the Dify management page.

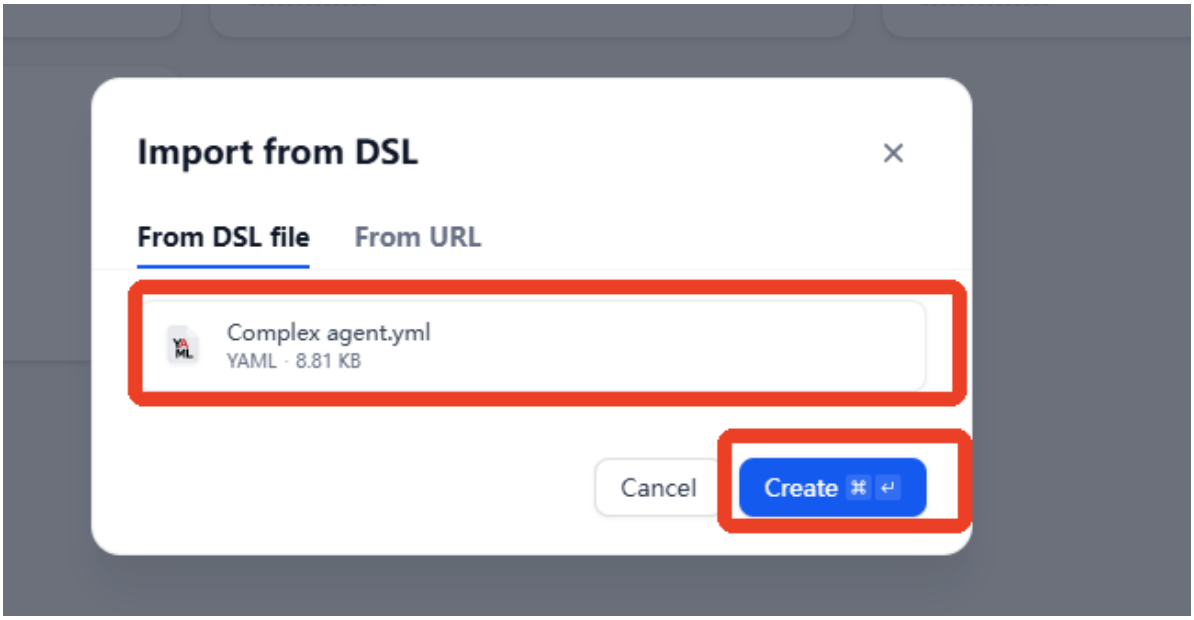


3. Case Study: Categorized Question-Answering Chatbot

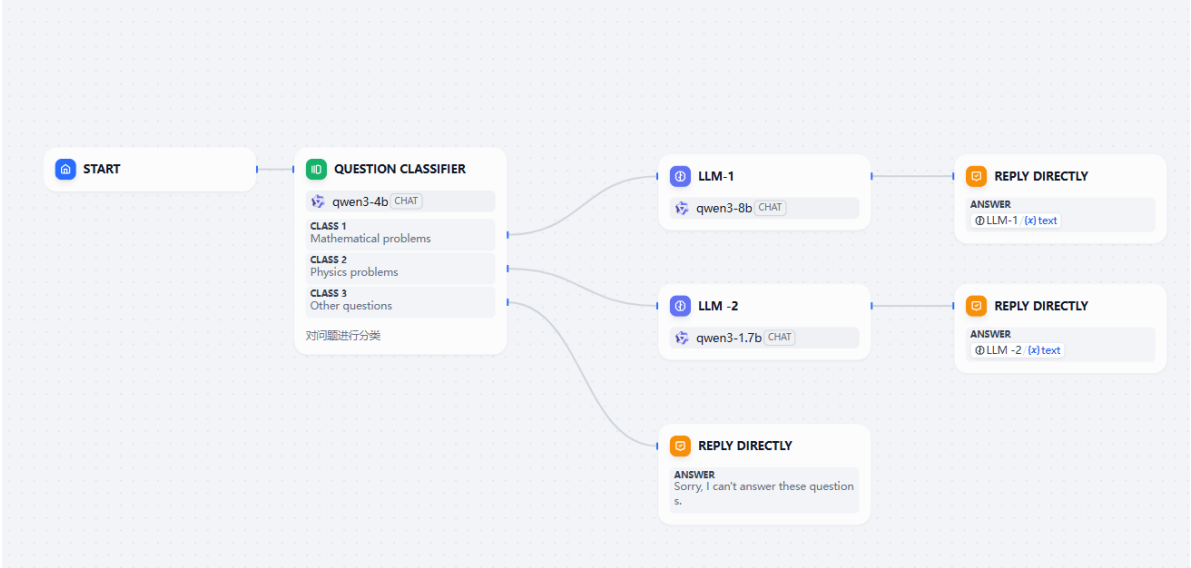
- In the example AI application folder of this lesson, there are reference examples that can be directly imported and used.
- In the Dify homepage studio, click "Import DSL File".



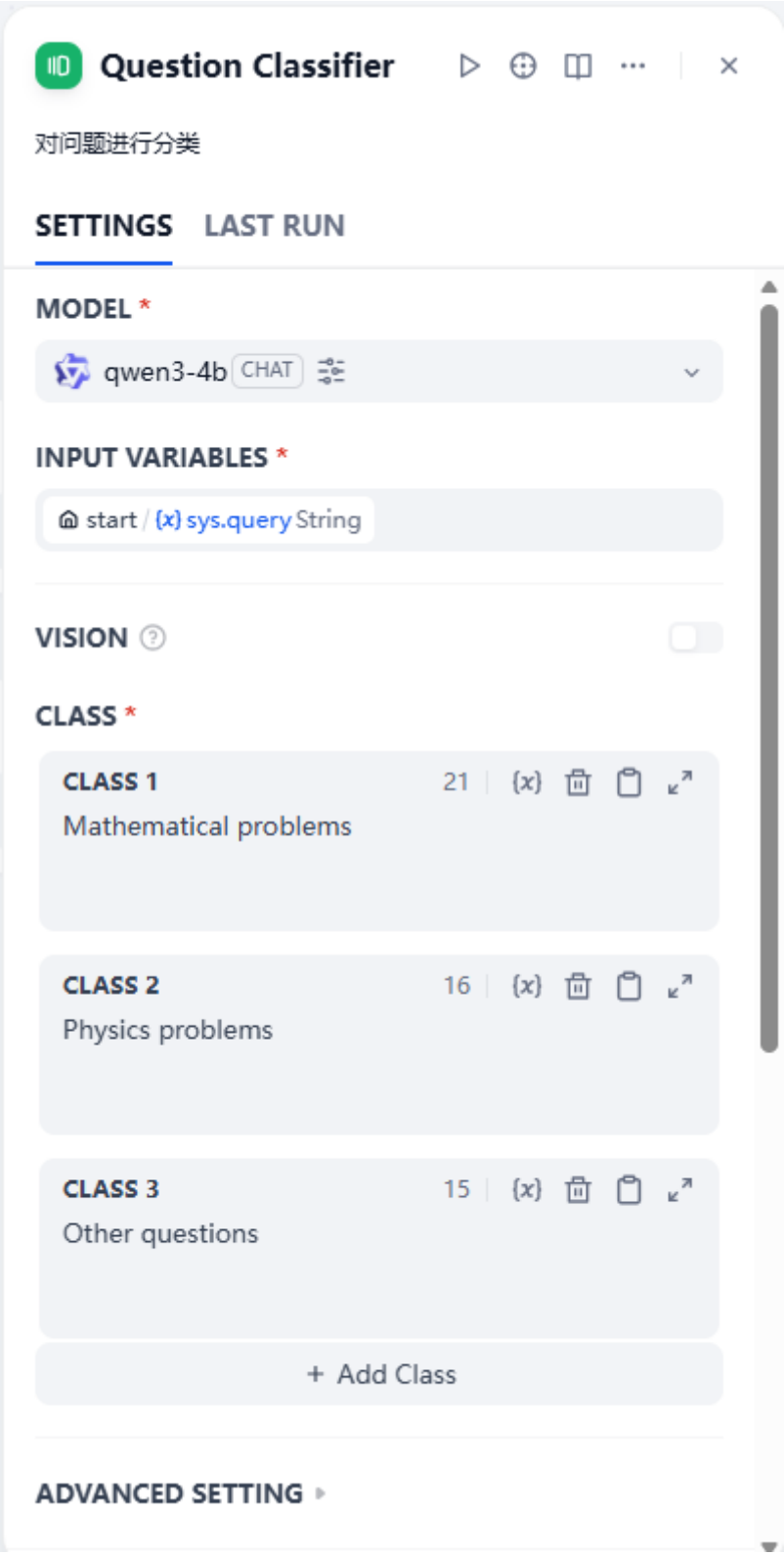
- Select the example AI application `Complex agent.yml` in the course folder for this section, and then click "Create".



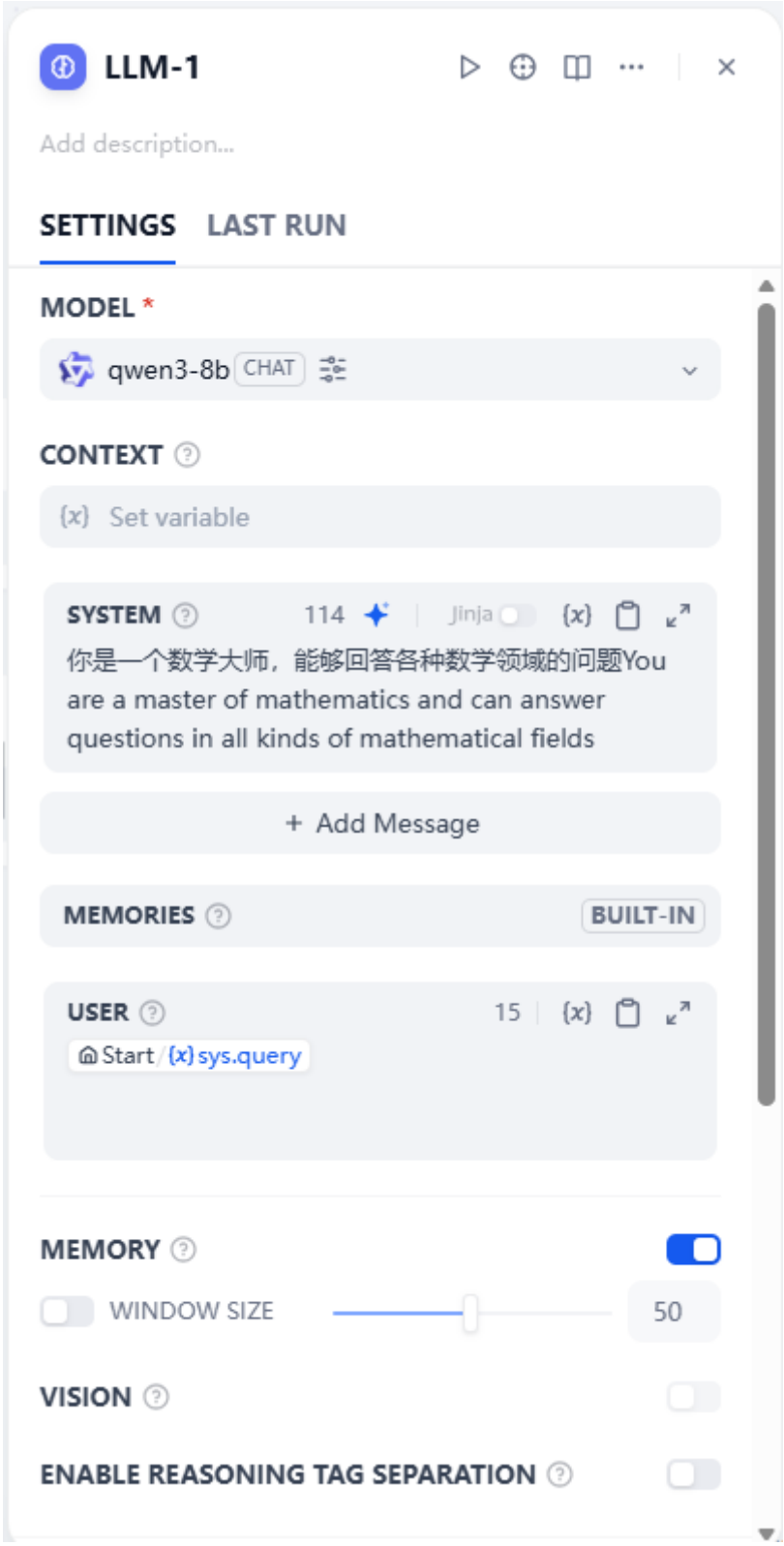
- You can see the workflow content as shown below.



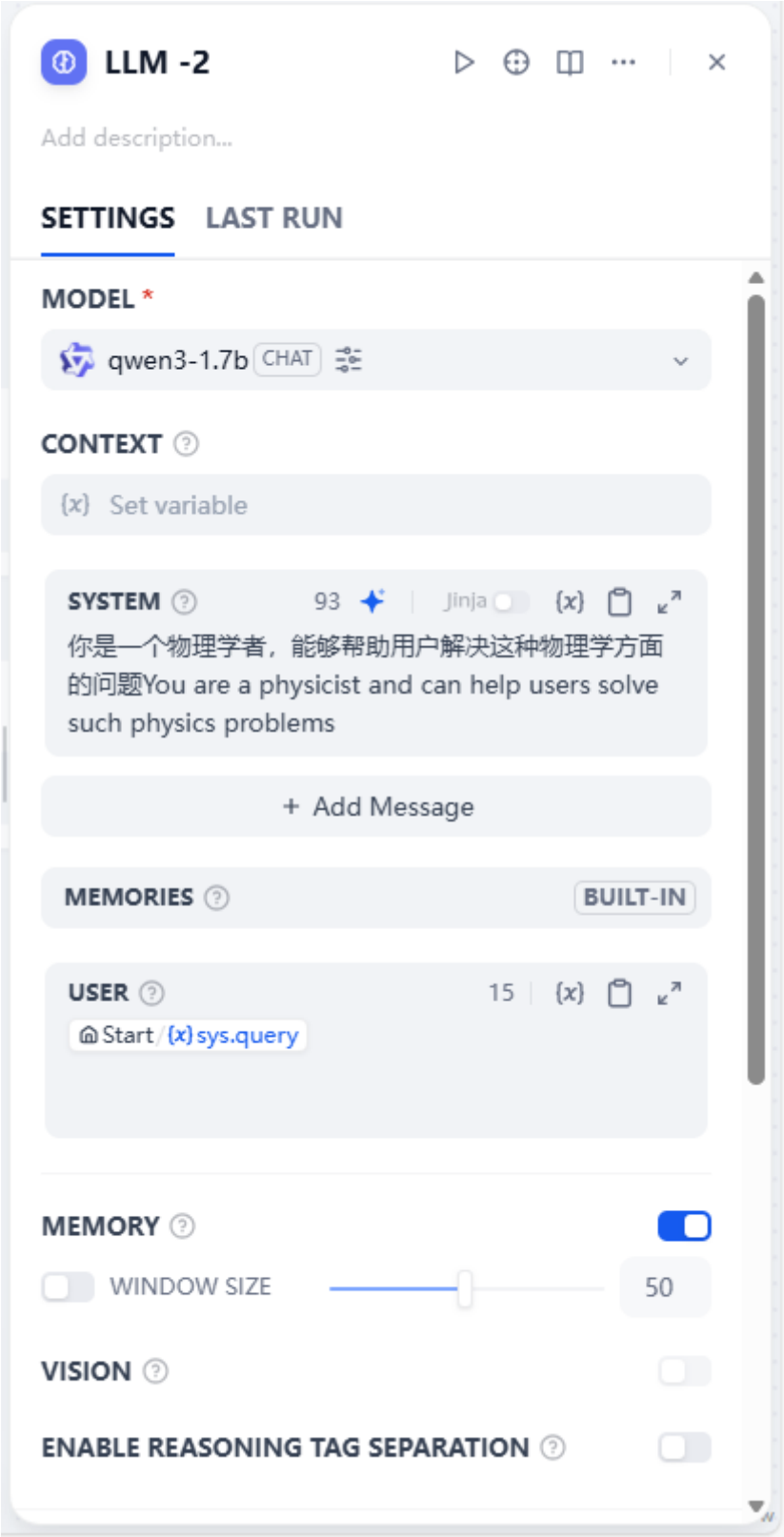
- In the workflow, `Question Classifier` is a module driven by a large AI model. Its function is to categorize user questions into math questions, physics questions, and other questions. If the user's input matches a math or physics-related question, it will invoke the corresponding branch of the large AI model to answer it. The categories in `Question Classifier` are as follows:



- The LLM-1 branch is used to answer math-related questions. The prompt and settings are shown below.

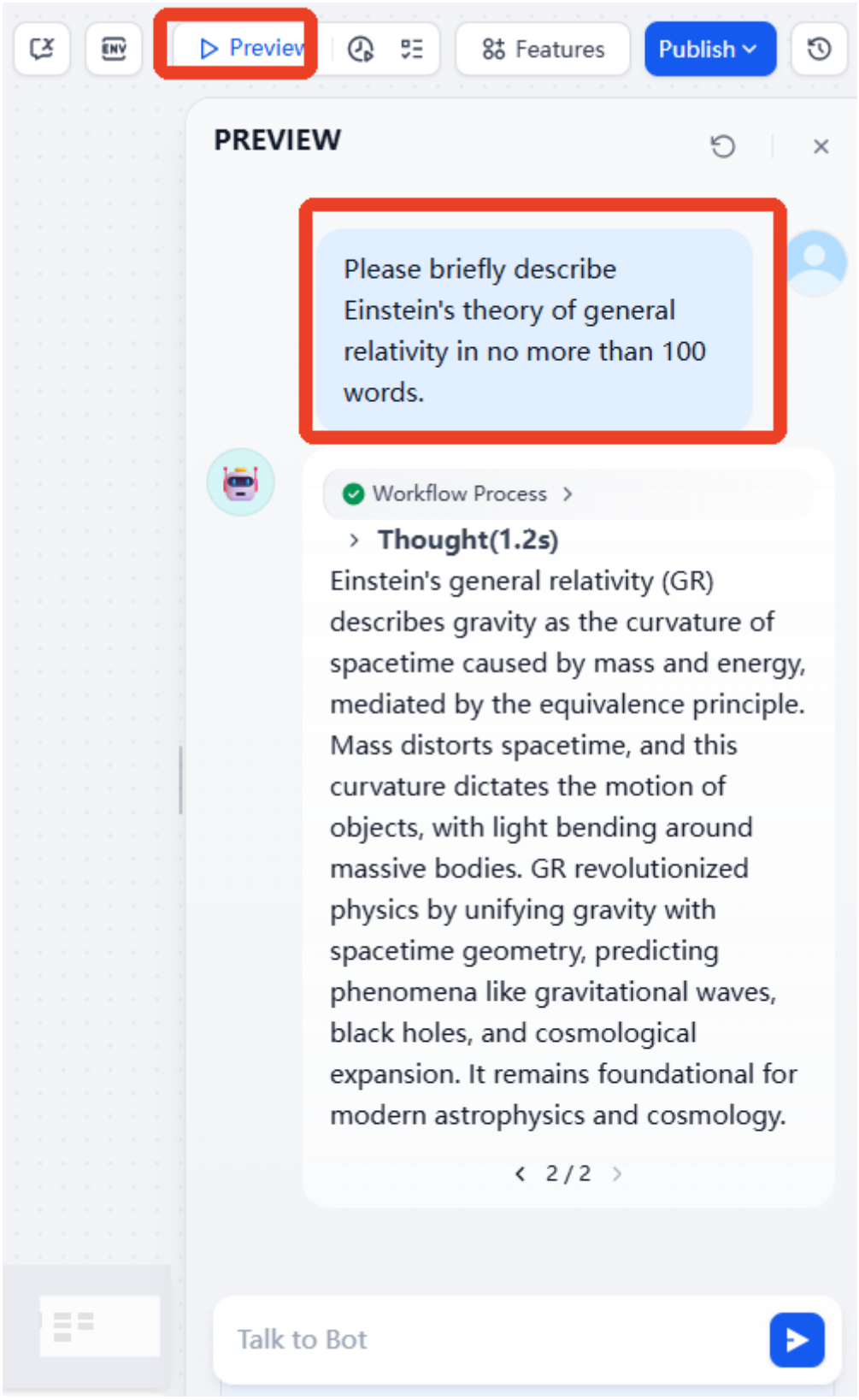


- The LLM-2 branch is used to answer physics-related questions. The prompt and settings are shown below.

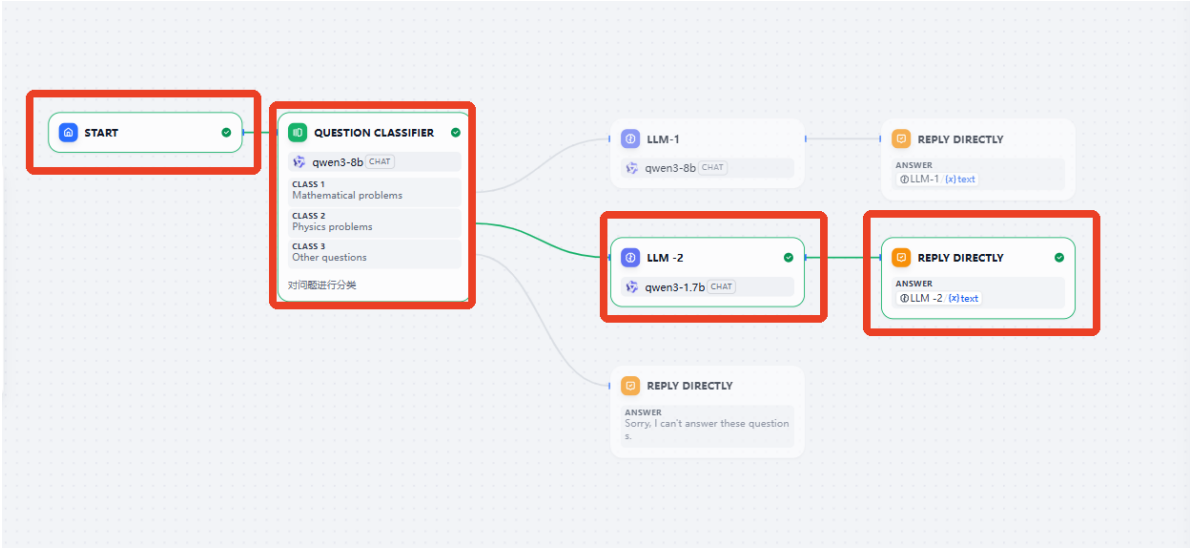


4. Visualizing and Debugging Workflows

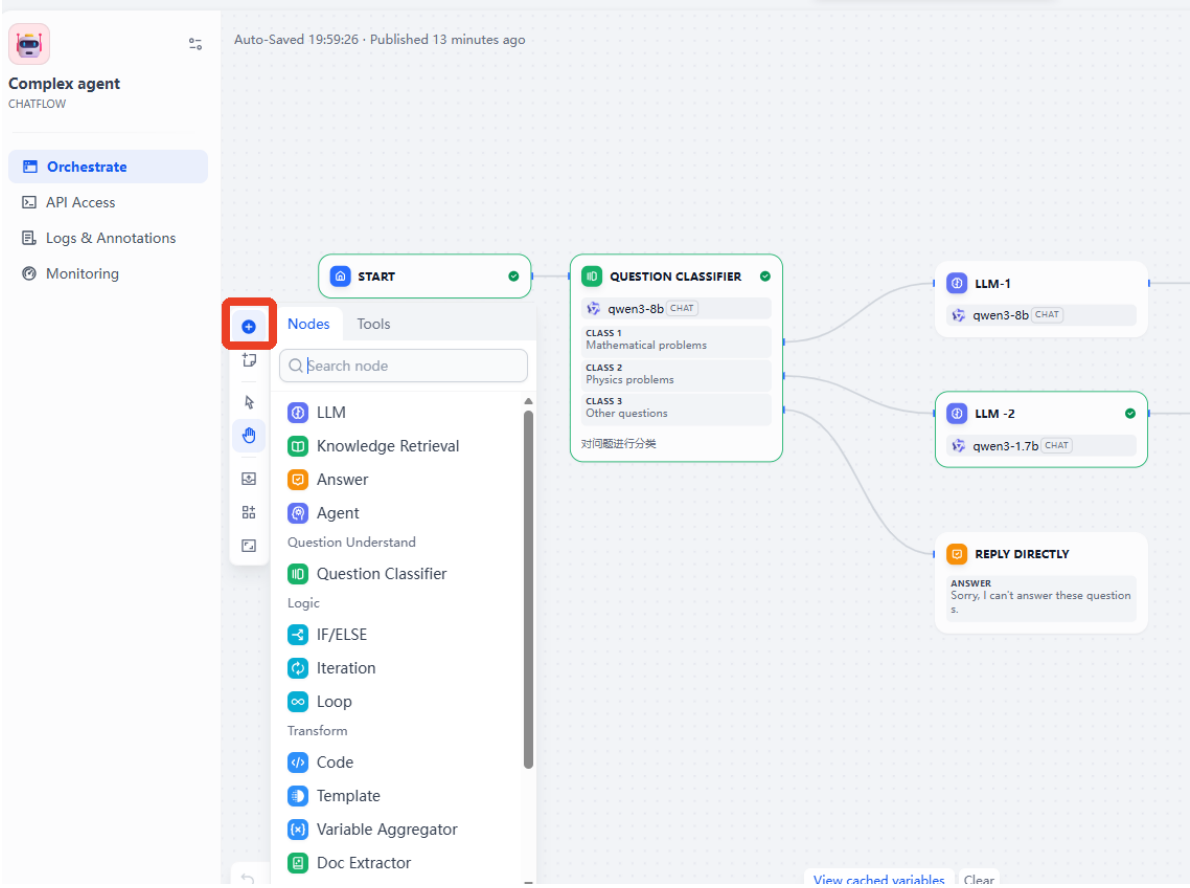
- To debug and test the workflow, click the preview in the upper right corner, and then enter the problem in the pop-up dialog box for testing.



- Simultaneously, the workflow will display the branches through which data flows in real time, thus facilitating workflow debugging.

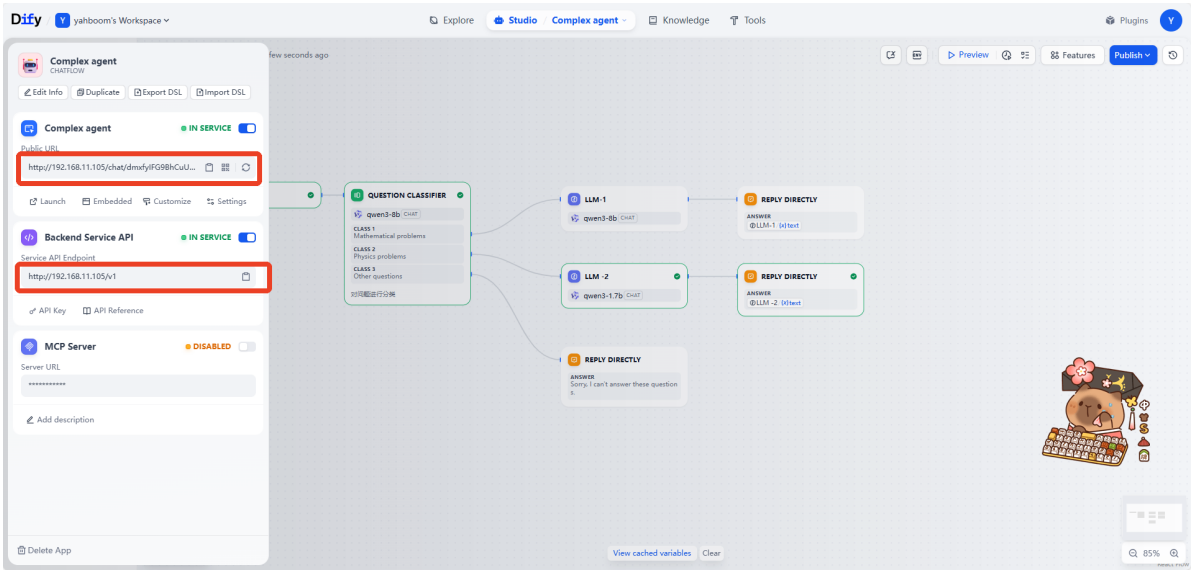


- To expand your workflow, click the "+" sign on the left, which provides access to several pre-defined tools and modules for Dify.



5. Accessing AI Agent Applications

- After orchestrating your AI application, click "Publish Application" to save the configuration. Then, click "Copy URL" or "API Access Credentials" to access the created AI application via the web interface or backend service API.


Dify
yahboom's Workspace
Explore
Studio
Complex agent
Knowledge
Tools
Plugins
Complex agent
CHATFLOW
Edit Info
Duplicate
Export DSL
Import DSL
Complex agent
IN SERVICE
Public URL
http://192.168.11.105/chat/dmxfyIFG9BhCuU...
Launch
Embedded
Customize
Settings
Backend Service API
IN SERVICE
Service API Endpoint
http://192.168.11.105/v1
API Key
API Reference
MCP Server
DISABLED
Server URL
Add description
Delete App
few seconds ago
Preview
Features
Publish
QUESTION CLASSIFIER
qwen3-8b
CLASS 1
Mathematical problems
CLASS 2
Physics problems
CLASS 3
Other questions
LLM-1
qwen3-8b
REPLY DIRECTLY
ANSWER
LLM-2
qwen3-1.7b
REPLY DIRECTLY
ANSWER
REPLY DIRECTLY
ANSWER
Sorry, I can't answer these question
s.
View cached variables
Clear
85%