Qwen2

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Demo Environment

Development board: Jetson Orin series motherboard

SSD: 128G

Tutorial application scope: Whether the motherboard can run is related to the available memory of the system. The user's own environment and the programs running in the background may cause the model to fail to run

Motherboard model	Ollama	Open WebUI
Jetson Orin NX 16GB	\checkmark	\checkmark
Jetson Orin NX 8GB	√	√
Jetson Orin Nano 8GB	√	√
Jetson Orin Nano 4GB	√ ((Need to run the small parameter version))	√ ((Need to run the small parameter version))

Alibaba Qwen2 is an advanced open source large language model developed by Alibaba, designed to provide powerful natural language processing capabilities.

Model size

Model	Parameters
Qwen2	0.5B
Qwen2	1.5B
Qwen2	7B
Qwen2	72B

Performance



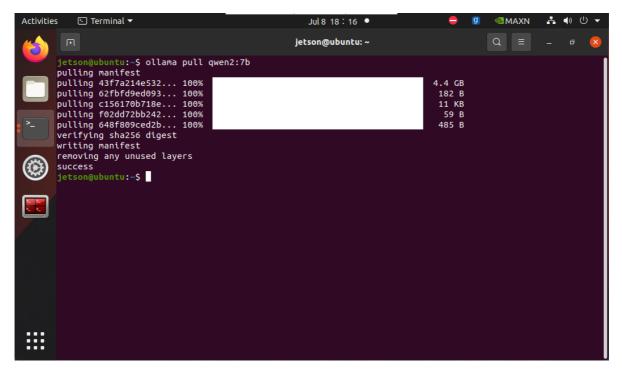
Pull Qwen2

Using the pull command will automatically pull the model of the Ollama model library:

```
ollama pull qwen2:7b
```

Small parameter version model: motherboards with 8G memory or less can run this

```
ollama pull qwen2:1.5b
```



Use Qwen2

Run Qwen2

If the system does not have a running model, the system will automatically pull the Qwen2 7B model and run it:

```
ollama run qwen2:7b
```

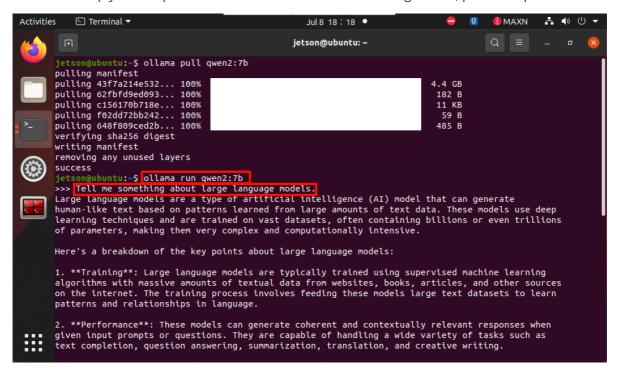
Small parameter version model: motherboards with 8G or less memory can run this

```
ollama run qwen2:1.5b
```

Have a conversation

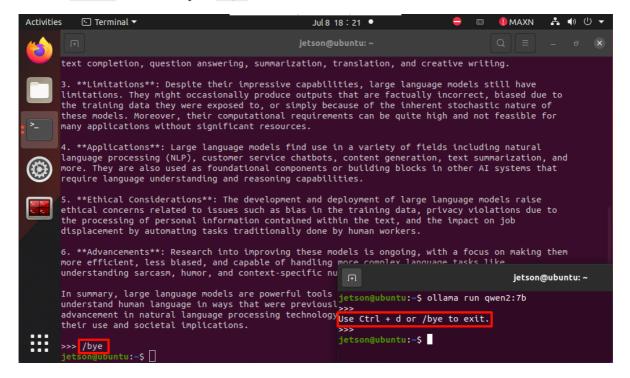
Tell me something about large language models.

The time to reply to the question is related to the hardware configuration, please be patient!



End the conversation

Use the Ctrl+d shortcut key or /bye to end the conversation!



References

Ollama

Official website: https://ollama.com/

GitHub: https://github.com/ollama/ollama

Qwen2

GitHub: https://github.com/QwenLM/Qwen2

Ollama corresponding model: https://ollama.com/library/qwen2