DeepSeek-r1

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> **Demo Environment**

Development Boards: Jetson Nano

SD (TF) card/U disk: 64G

```
It is recommended to run the 4B and below parameter models
```

DeepSeek-r1 is an open source Large Language Model (LLM) designed by DeepSeek for understanding and generating code.

Model scale

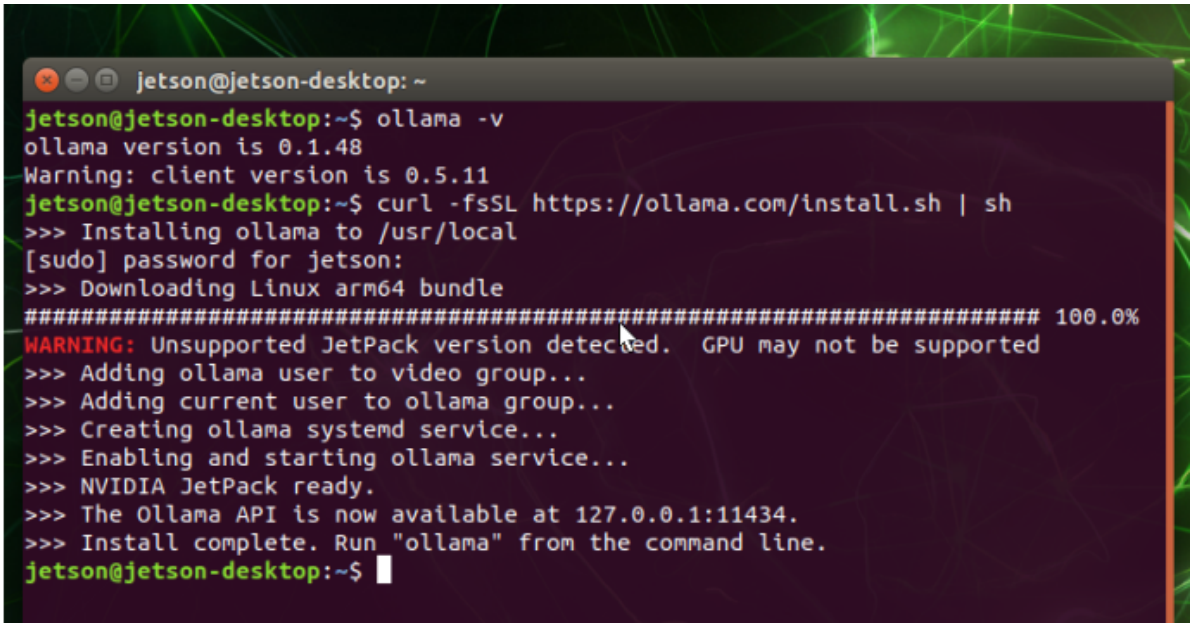
Model	Parameter
DeepSeek-r1	1.5B
DeepSeek-r1	7B
DeepSeek-r1	8B
DeepSeek-r1	14B

```
Jetson Nano: Can only use DeepSeek-r1 model with 1.5B parameters!
```

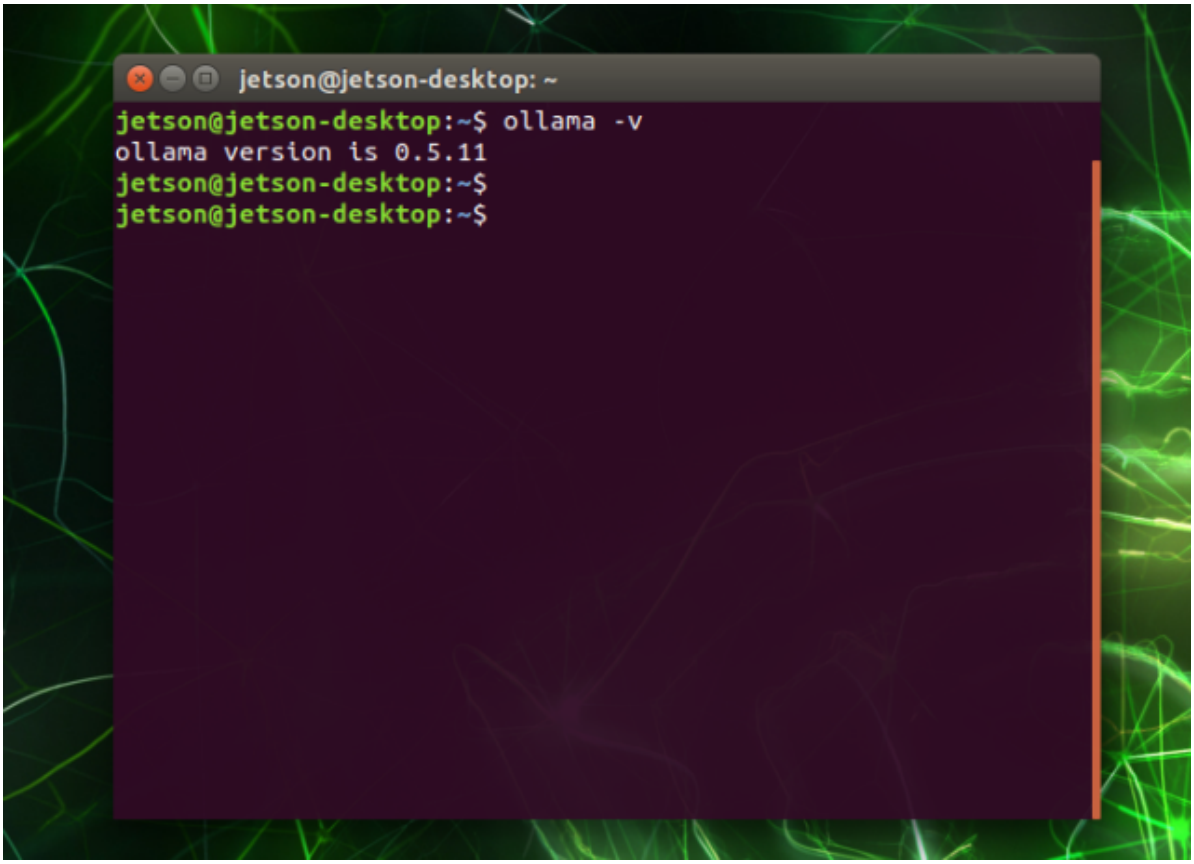
Update Ollama version

Using the installation command will automatically update the ollama version, which takes a long time. It depends on your network:

```
curl -fsSL https://ollama.com/install.sh | sh
```



It will show that the installation is complete. When checking the version of ollam, it will show a correct version, and the version greater than 0.1.48 will be updated.

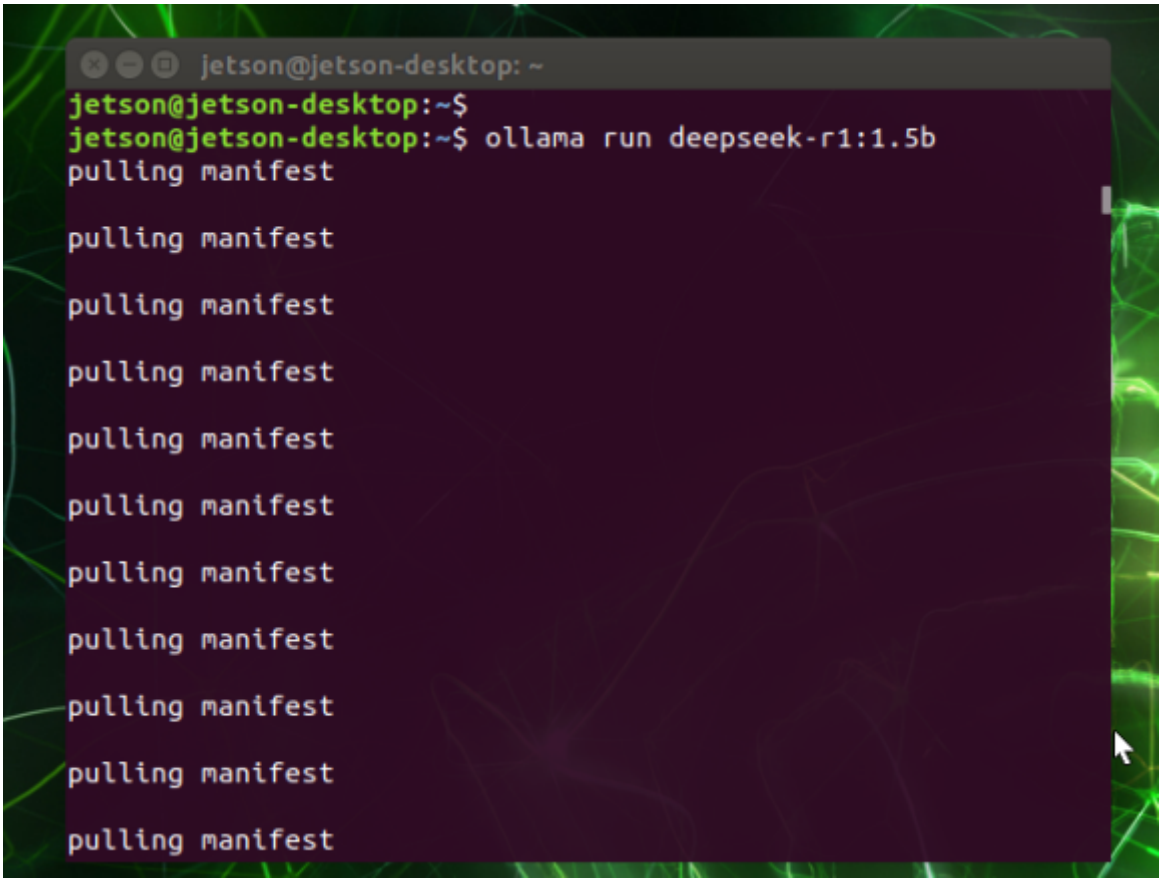


Using DeepSeek-r1

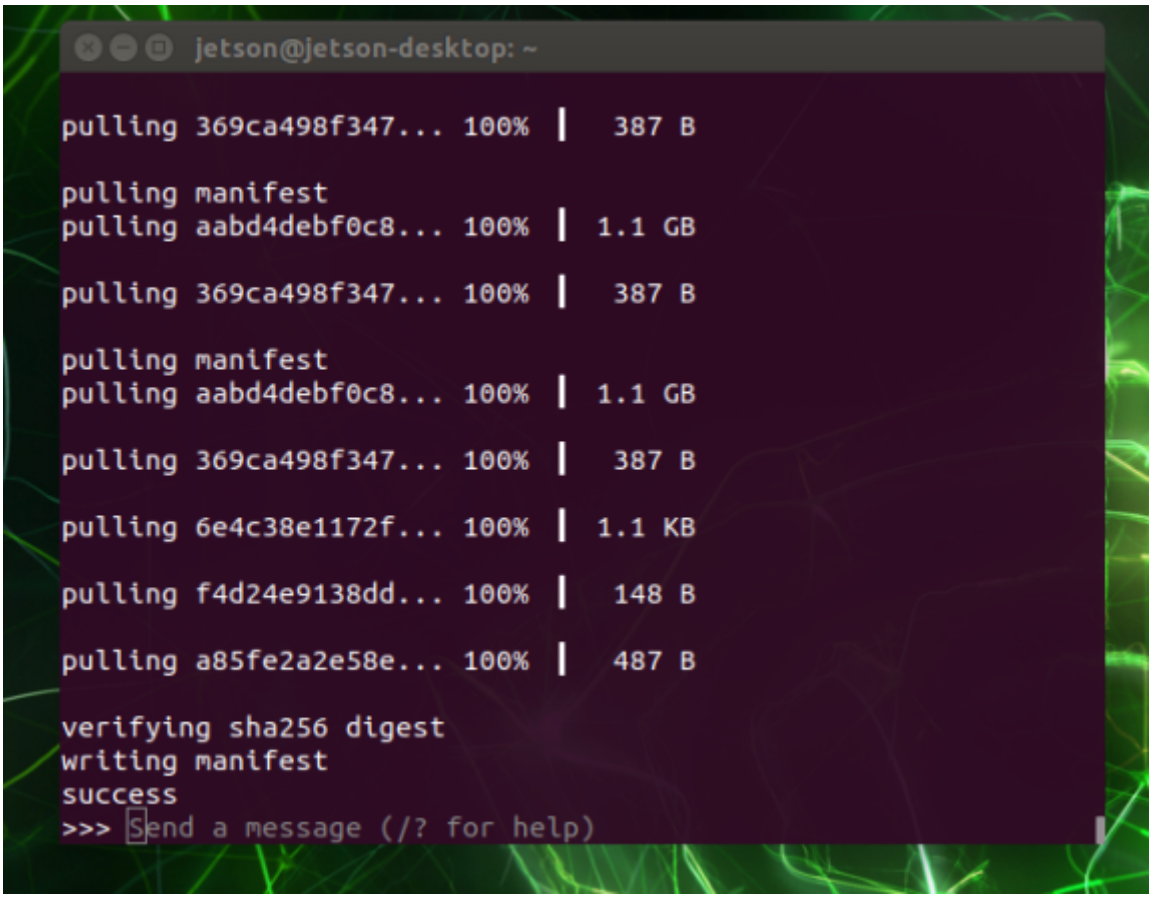
Run DeepSeek-r1

When using the large language model image provided by Yabo Intelligence, please note that the DeepSeek-R1 model is not pre-installed in the image. You can automatically download and install the DeepSeek-R1 model by running the following command. After running the command, the system will automatically enter the dialogue interface:

```
ollama run deepseek-r1:1.5b
```



Wait for the automatic pull to complete, and then enter the dialogue interface automatically.



Have a conversation

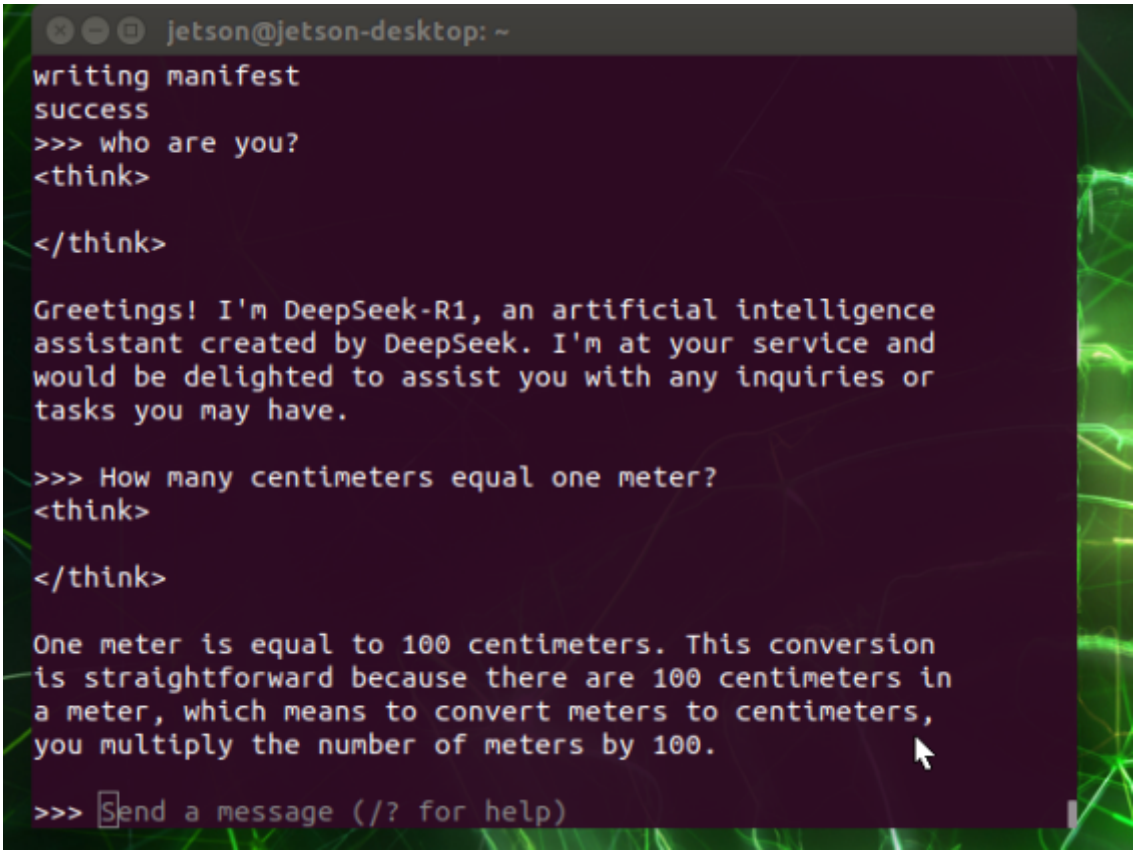
Let the model introduce itself:

```
who are you?
```

Consult other issues:

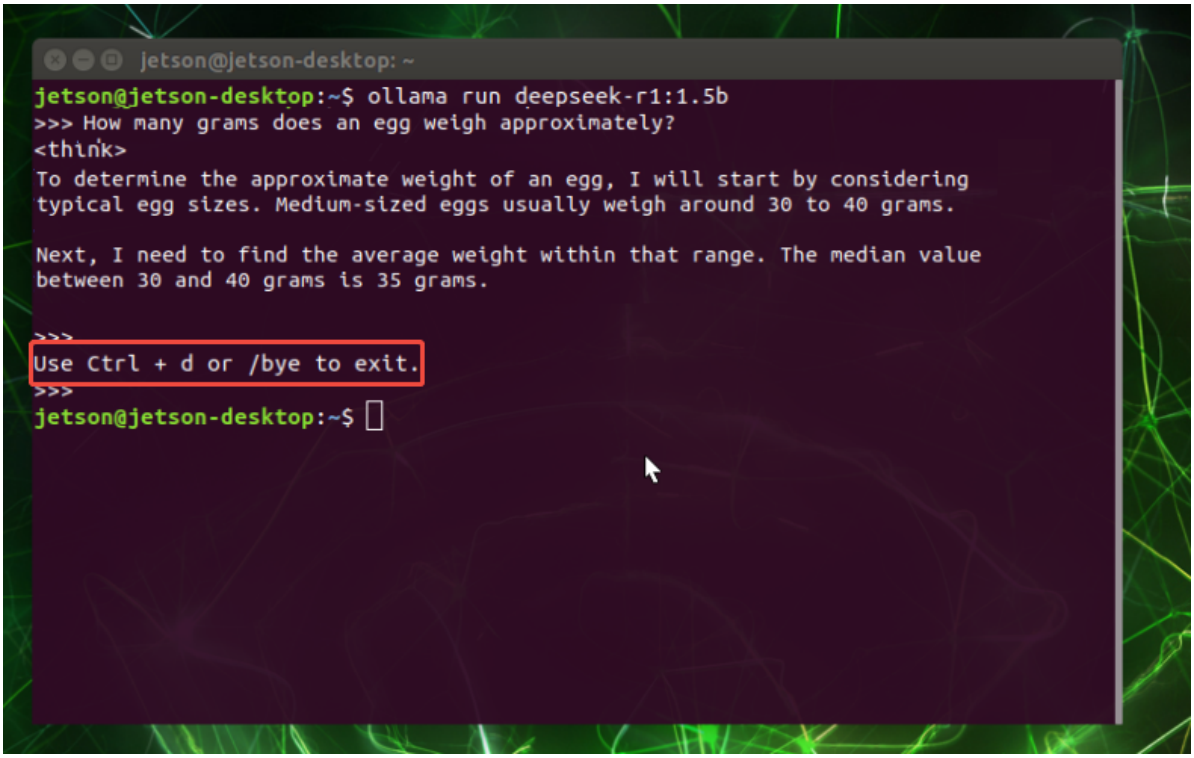
```
How many centimeters equal one meter?
```

The response time is related to the hardware configuration, please be patient.



End the conversation

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



References

> **Ollama**

Website：https://ollama.com/

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

> **DeepSeek-R1**

Ollama corresponding model：https://ollama.com/library/deepseek-r1

GitHub：https://github.com/deepseek-ai/DeepSeek-r1