

DeepSeek Coder model

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Demonstration environment

Development board : Raspberry Pi 500 (8G RAM)

SD(TF)card: 32G (Above 16G, the larger the capacity, the more models can be experienced)

Raspberry Pi 500 (8G RAM): Run 8B and below parameter models

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

Model scale

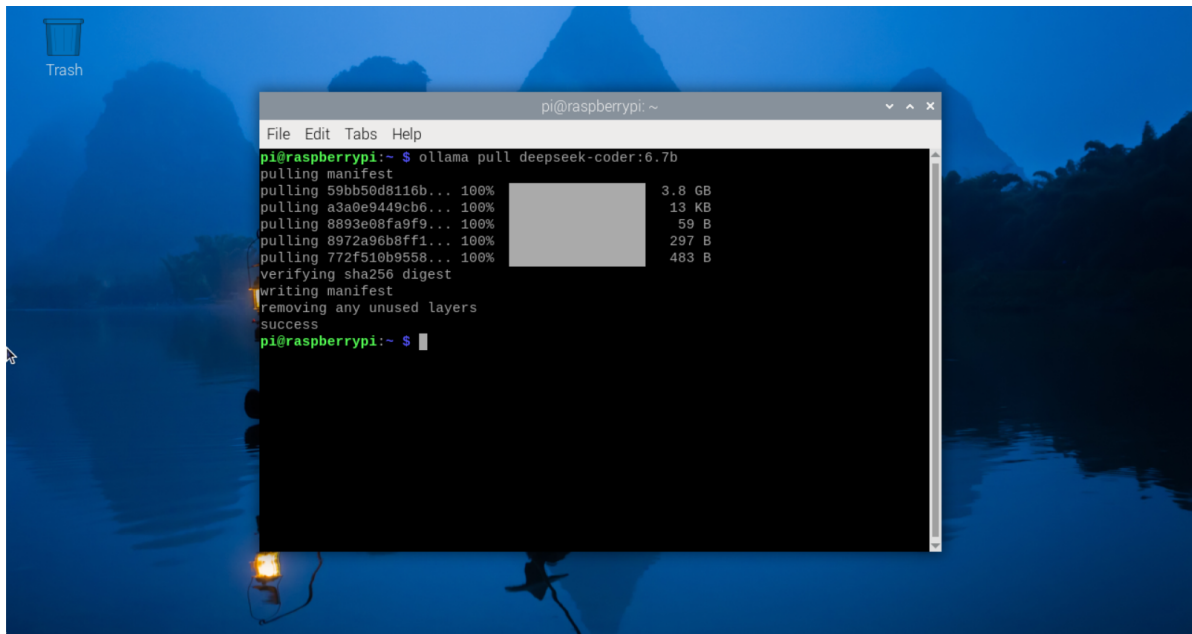
Model	Parameter
DeepSeek Coder	1.3B
DeepSeek Coder	6.7B
DeepSeek Coder	33B

Raspberry Pi 500 (8G RAM): Test DeepSeek Coder model with 6.7B parameters.

Got DeepSeek Coder

Using the pull command will automatically pull the models from the Ollama model library.

```
ollama pull deepseek-coder:6.7b
```



Use DeepSeek Coder

Run DeepSeek Coder

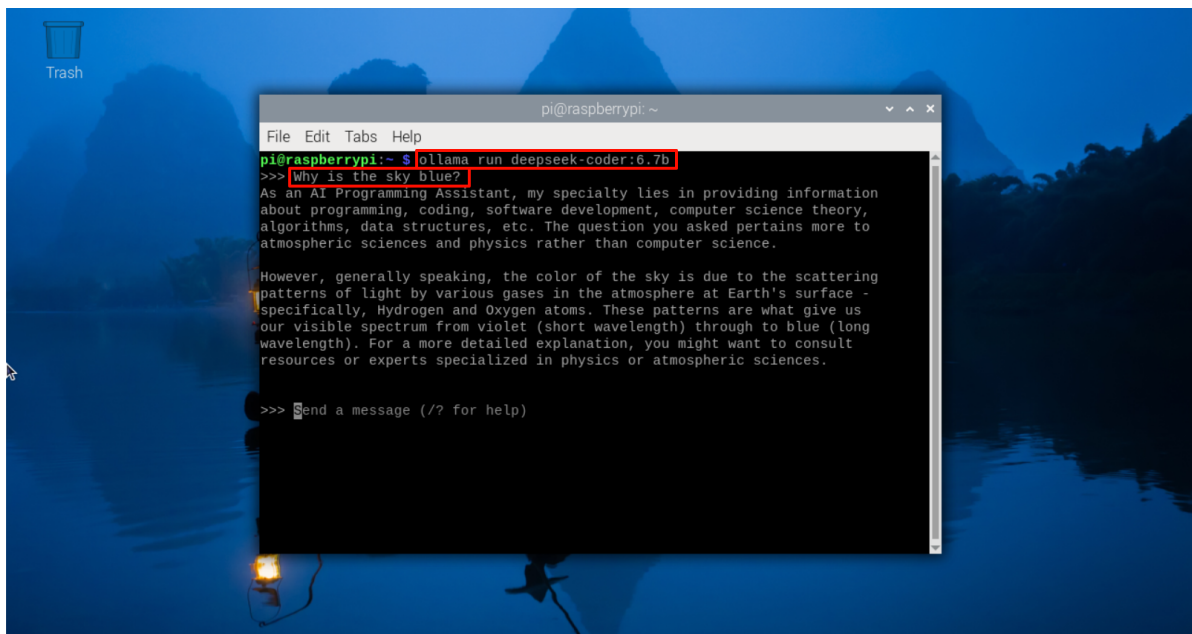
If the system does not have a running model, the system will automatically get DeepSeek Coder 6.7B model and run it: **The factory image does not provide this image!**

```
ollama run deepseek-coder:6.7b
```

Dialogue

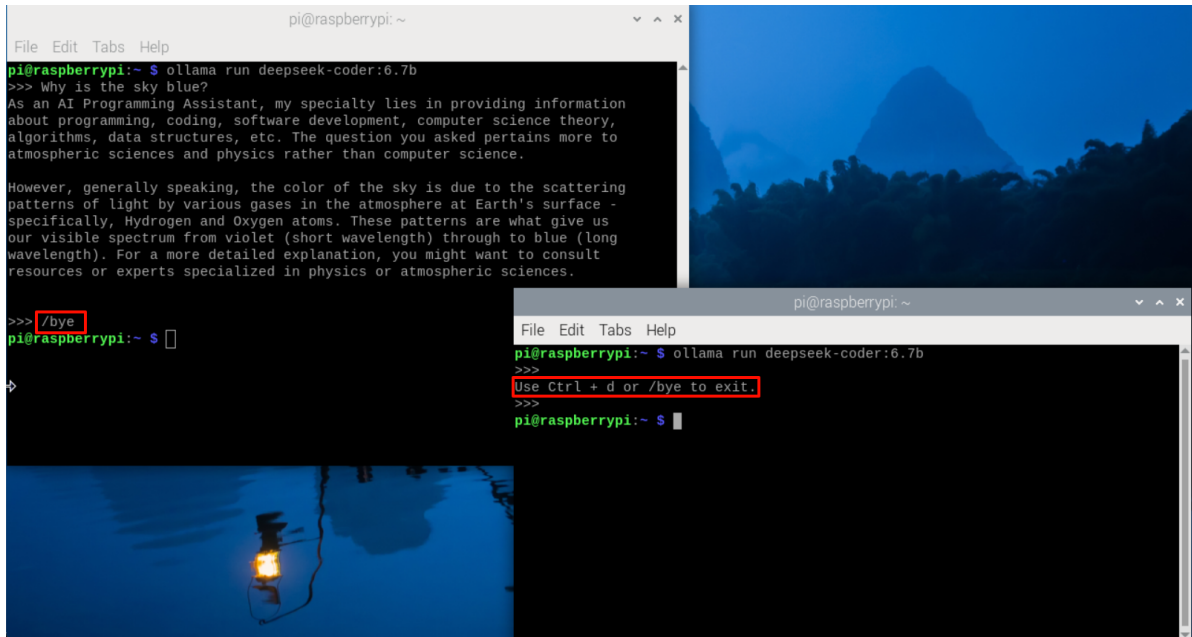
```
why is the sky blue?
```

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



End conversation

You can end the conversation by using the shortcut key 'Ctrl+d' or '/bye'!



Reference material

Ollama

Website: <https://ollama.com/>

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

DeepSeek Coder

Ollama model: <https://ollama.com/library/deepseek-coder>

GitHub: <https://github.com/deepseek-ai/DeepSeek-Coder>