

Meta AI Codellama model

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Demonstration environment

Development Board : Raspberry Pi 5B

SD(TF)card: 64G (Above 16G, the larger the capacity, the more models can be experienced)

Raspberry Pi 5B (8G RAM): Run 8B and below parameter models
Raspberry Pi 5B (4G RAM): Run 3B and below parameter models
Raspberry Pi 5B (2G RAM): Run 0.5B and below parameter models, can't run Codellama model

Code Llama is an open-source Large Language Model (LLM) specifically designed by the Meta AI department for understanding and generating code.

Model scale

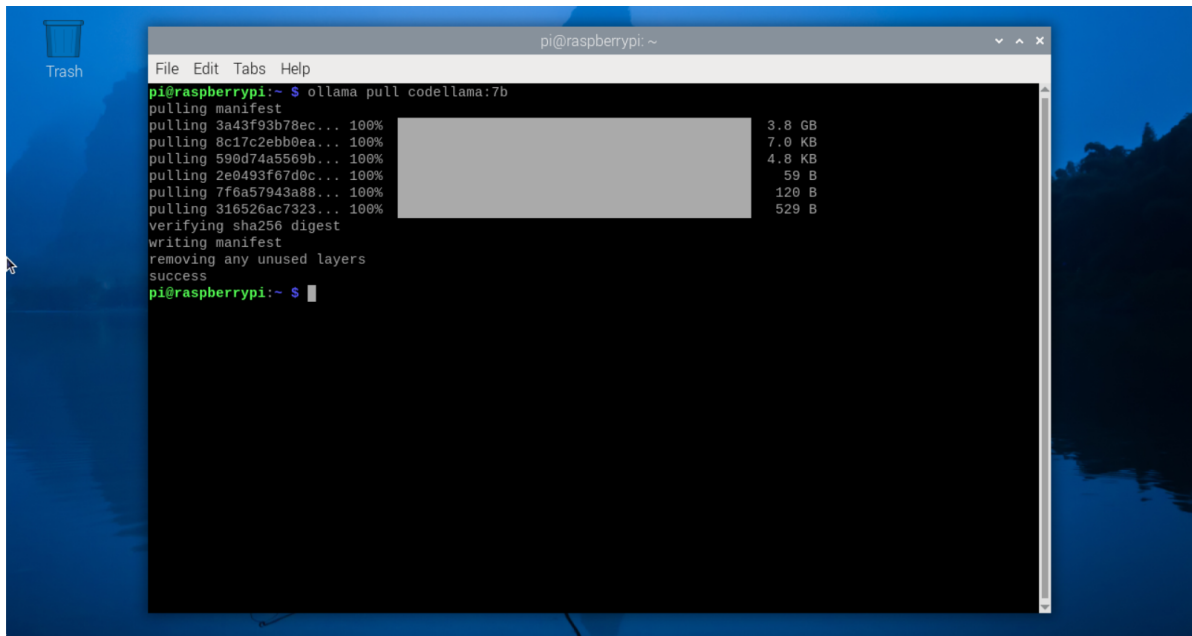
Model	Parameter
Code Llama	7B
Code Llama	13B
Code Llama	34B
Code Llama	70B

Raspberry Pi 5B (8G RAM): Code Llama model testing using 7B parameters

Got Code Llama

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

```
ollama pull codellama:7b
```



Use Code Llama

Run Code Llama

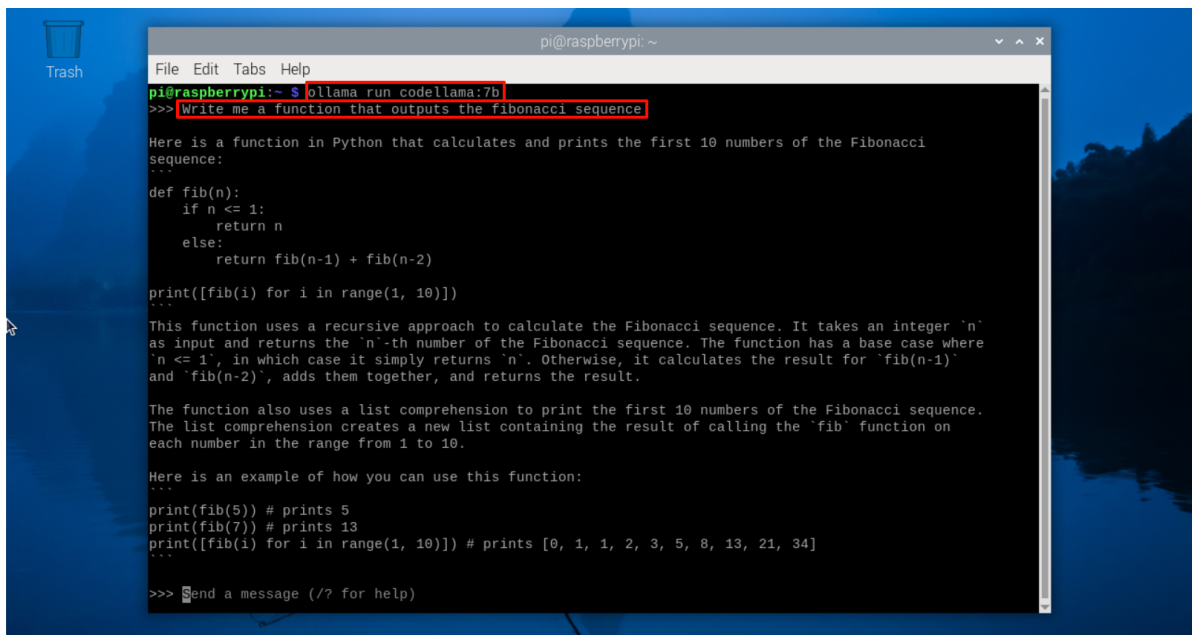
If the system does not have a running model, the system will automatically pull the Code Llama 7B model and run it.

```
ollama run codellama:7b
```

Dialogue

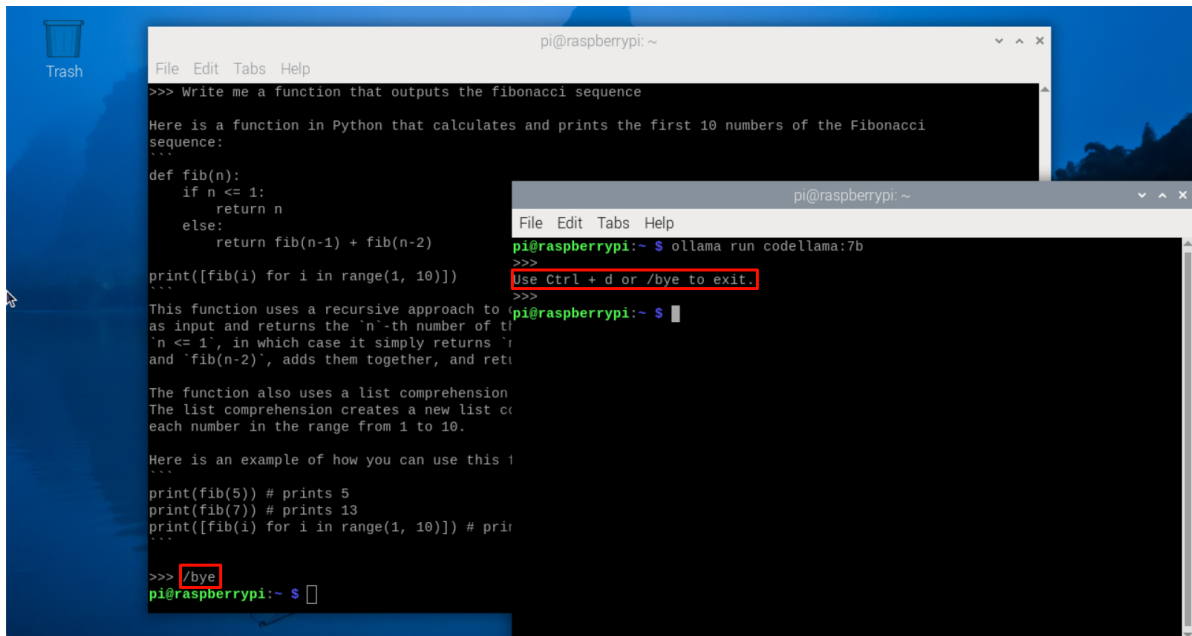
```
write me a function that outputs the fibonacci sequence
```

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>

Code Llama

Ollama Model: <https://ollama.com/library/codellama>

GitHub: <https://github.com/meta-llama/codellama>