

Meta AI Codellama model

Meta AI Codellama model

[Model scale](#)

[Got Code Llama](#)

[Use Code Llama](#)

[Run Code Llama](#)

[Dialogue](#)

[End conversation](#)

[Reference material](#)

Demonstration environment

Development Board 8: Raspberry Pi 500

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

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

Model scale

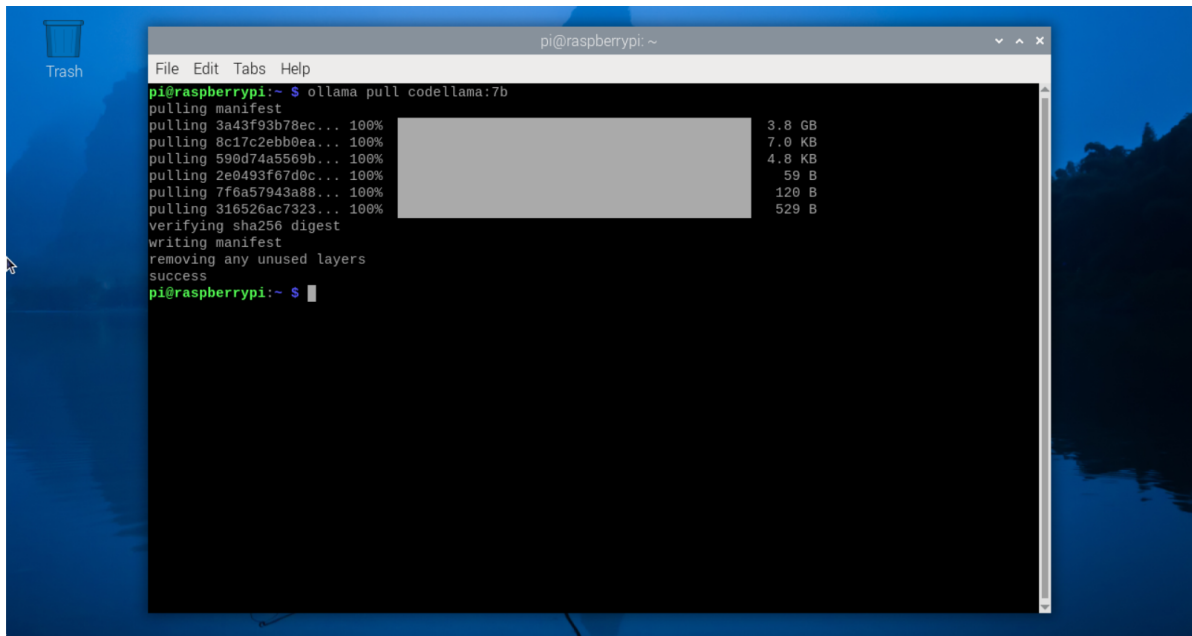
Model	Parameter
Code Llama	7B
Code Llama	13B
Code Llama	34B
Code Llama	70B

Raspberry Pi 500 (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

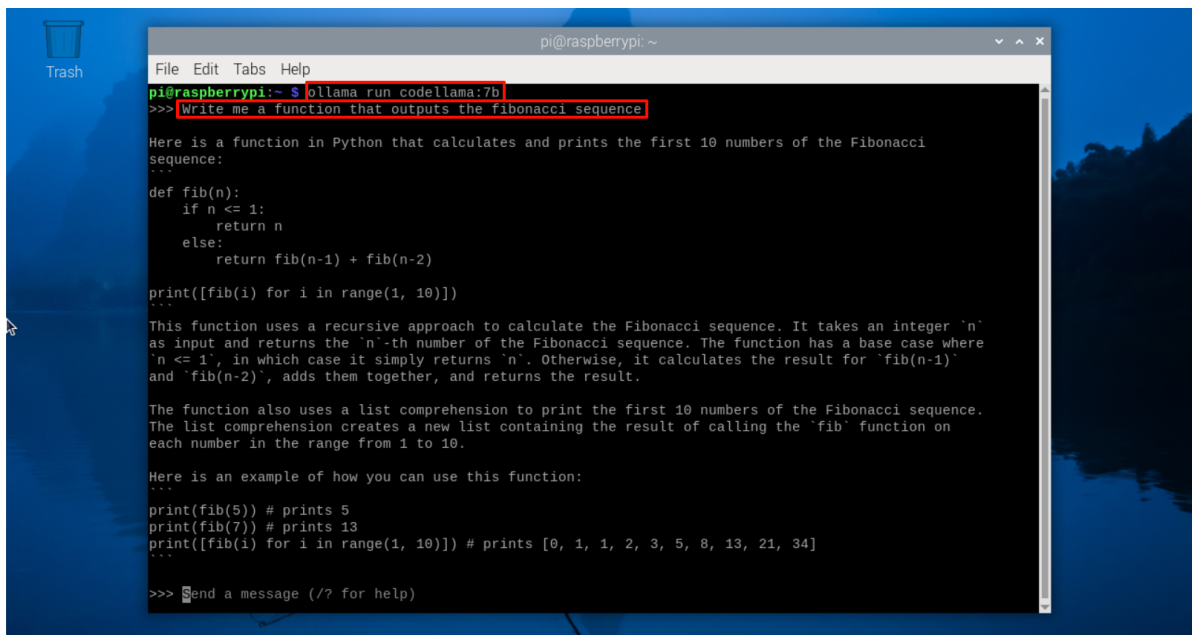
If the system does not have a running model, the system will automatically pull the Code Llama 7B model and run it: **The Pi500_AI_Pure image does not provide this model!**

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

Dialogue

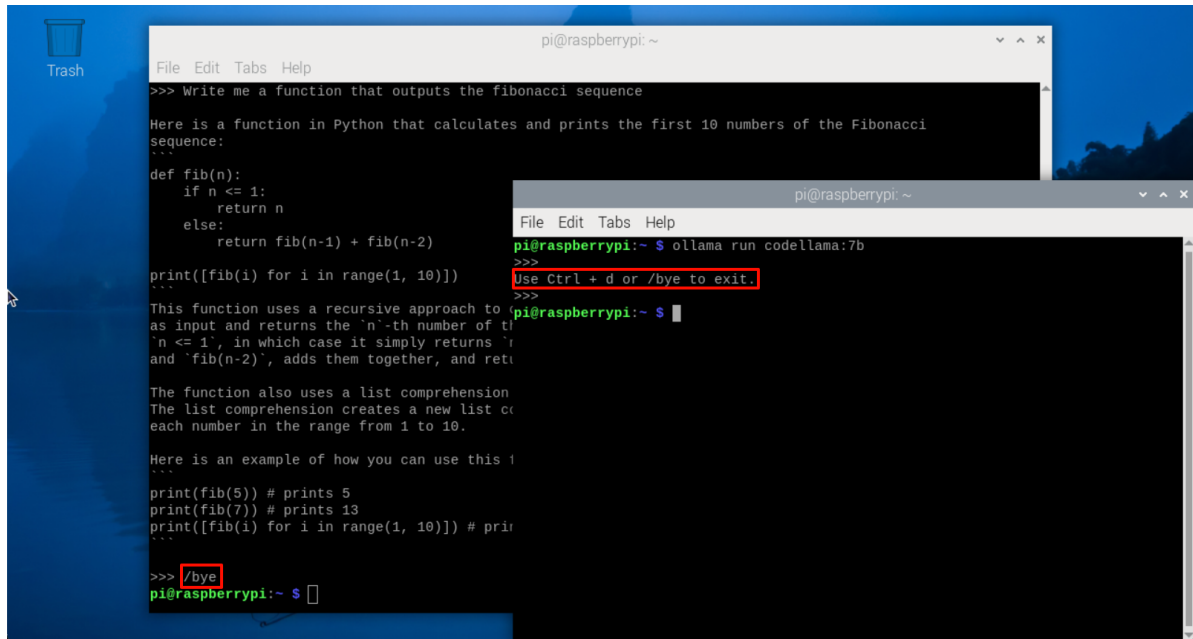
```
write me a function that outputs the fibonacci sequence
```

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'.



The screenshot shows a Raspberry Pi desktop environment. On the left is a 'Trash' icon. In the center is a terminal window titled 'pi@raspberrypi: ~' with a menu bar 'File Edit Tabs Help'. The terminal contains a Python function for calculating the Fibonacci sequence, its usage example, and the command `>>> /bye` which has been highlighted with a red box. On the right is another terminal window, also titled 'pi@raspberrypi: ~' with a menu bar 'File Edit Tabs Help'. It shows the command `pi@raspberrypi:~ $ ollama run codellama:7b` followed by `>>>`. A red box highlights the text 'Use Ctrl + d or /bye to exit.' in the terminal output.

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>