

# 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 (16G RAM): Run 14B and below parameter models  
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

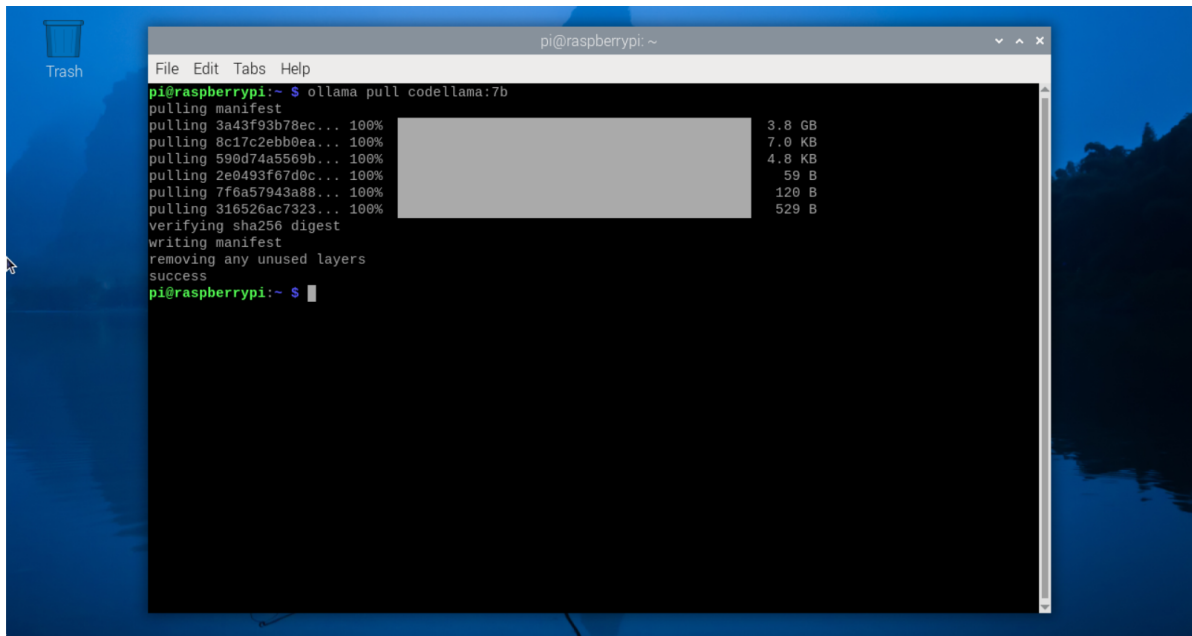
Model	Parameter
Code Llama	7B
Code Llama	13B
Code Llama	34B
Code Llama	70B

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

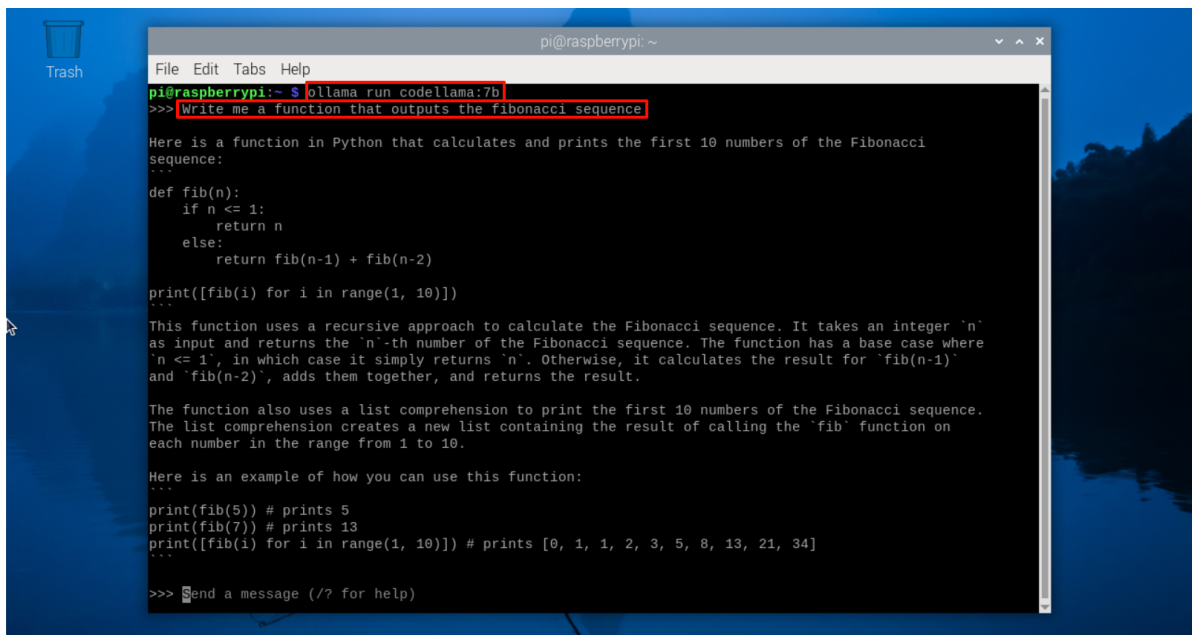
If the system does not have a running model, the system will automatically pull the Code Llama 7B model and run it.

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

### Dialogue

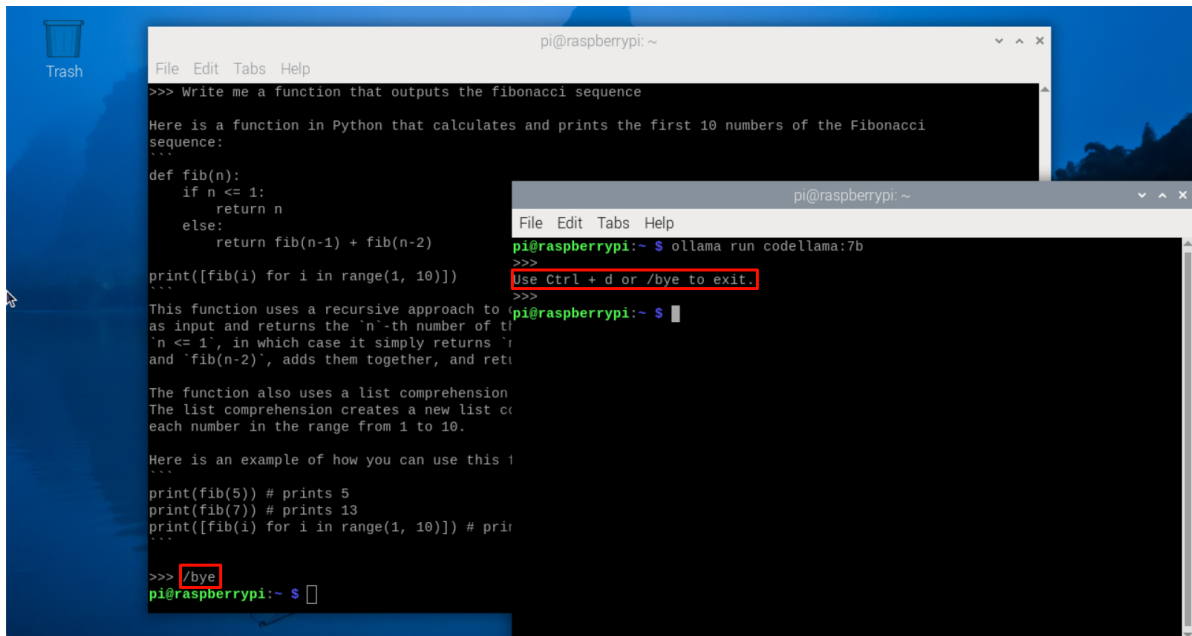
```
write me a function that outputs the fibonacci sequence
```

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>