Code Llama

Code Llama

Model size

Pull Code Llama

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Run Code Llama

Have a conversation

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References

Demo Environment

Development board: Jetson Orin series motherboard

SSD: 128G

Tutorial application scope: Whether the motherboard can run is related to the available memory of the system. The user's own environment and the programs running in the background may cause the model to fail to run

Motherboard model	Ollama	Open WebUI
Jetson Orin NX 16GB	V	√
Jetson Orin NX 8GB	√	√
Jetson Orin Nano 8GB	√	√
Jetson Orin Nano 4GB	×	×

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

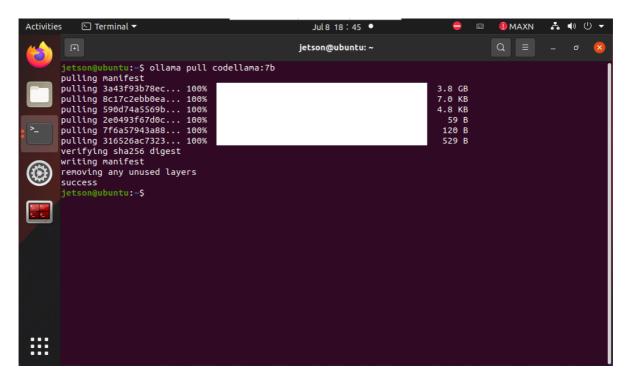
Model size

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

Pull Code Llama

Using the pull command will automatically pull the model 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
```

Have a conversation

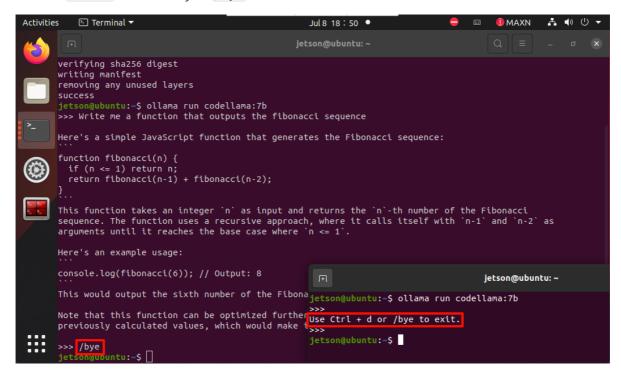
```
Write me a function that outputs the fibonacci sequence
```

The time to reply to the question depends on the hardware configuration, please be patient!

```
E Terminal ▼
                                                                                                                      MAXN
Activities
                                                                        Jul 8 18:49 •
                                                                                                                                    ietson@ubuntu: ~
         jetson@ubuntu:~$ ollama pull codellama:7b
        pulling manifest
pulling 3a43f93b78ec... 100%
pulling 8c17c2ebb0ea... 100%
pulling 590d74a5569b... 100%
                                                                                                       3.8 GB
                                                                                                       7.0 KB
                                                                                                       4.8 KB
        pulling 2e0493f67d0c... 100%
                                                                                                        59 B
120 B
        pulling 7f6a57943a88... 100%
pulling 316526ac7323... 100%
verifying sha256 digest
writing manifest
removing any unused layers
        success
                   ıbuntu:~$ ollama run codellama:7b
        >>> Write me a function that outputs the fibonacci sequence
  į
        Here's a simple JavaScript function that generates the Fibonacci sequence:
        function fibonacci(n) {
           if (n <= 1) return n;
return fibonacci(n-1) + fibonacci(n-2);
        This function takes an integer `n` as input and returns the `n`-th number of the Fibonacci
        sequence. The function uses a recursive approach, where it calls itself with `n-1` and arguments until it reaches the base case where `n <= 1`.
        Here's an example usage:
        console.log(fibonacci(6)); // Output: 8
```

End the conversation

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



References

Ollama

Official website: https://ollama.com/

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

Code Llama

Ollama corresponding model: https://ollama.com/library/codellama

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