

WizardLM-2

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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, can't run wizardLM-2 model

Raspberry Pi 5B (2G RAM): Run 0.5B and below parameter models, can't run wizardLM-2 model

WizardLM-2 is Microsoft's latest advanced large-scale language model, which improves performance in complex dialogue, multilingualism, inference, and intelligent proxy capabilities.

Model scale

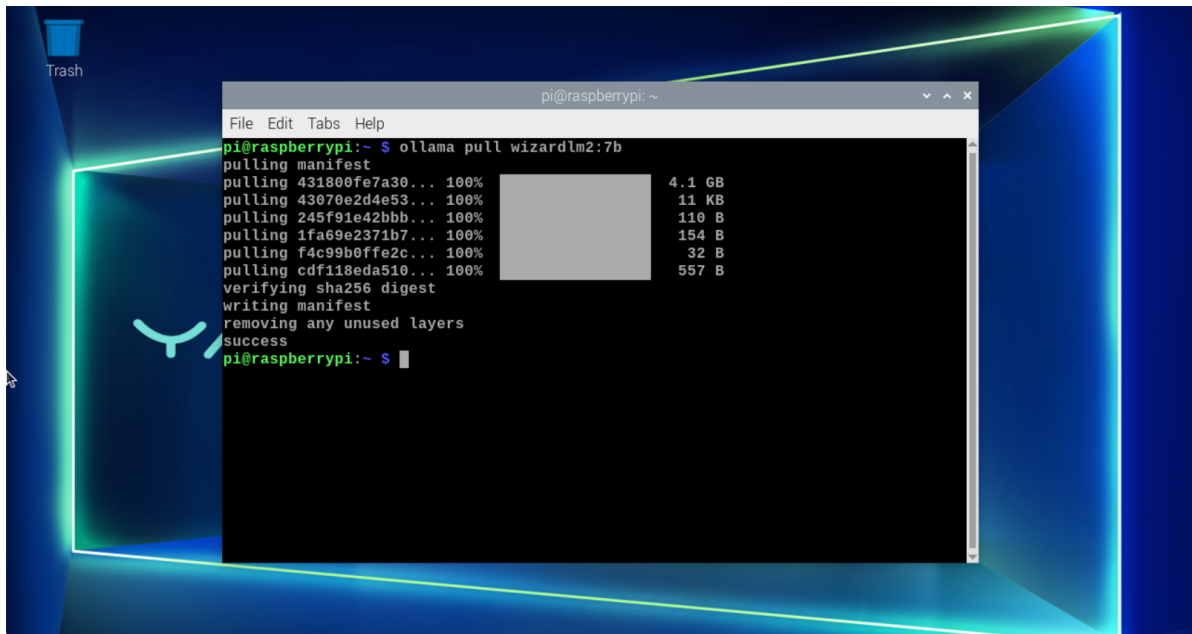
Model	Parameter
WizardLM-2	7B
WizardLM-2	70B
WizardLM-2	8x22B

Raspberry Pi 5B (8G RAM): wizardLM-2 model testing with 7B parameters.

Got WizardLM-2

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

ollama pull wizardlm2:7b



Use WizardLM-2

Run WizardLM-2

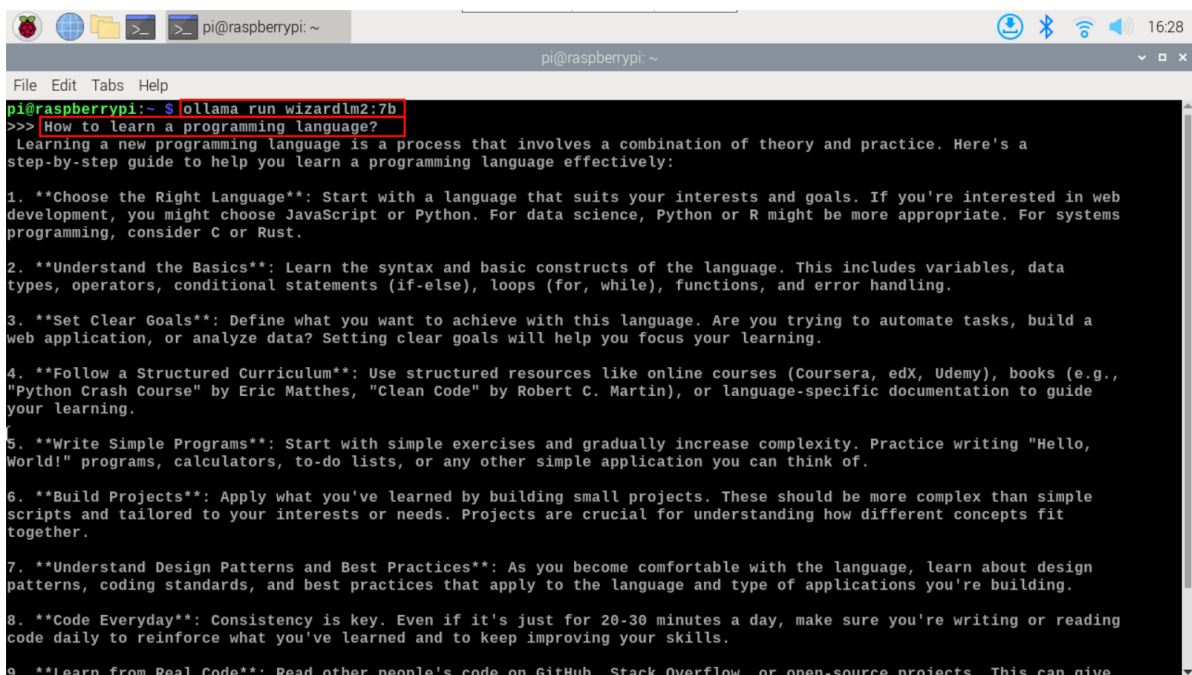
If the system does not have a running model, the system will automatically pull the WizardLM-2 7B model and run it.

```
ollama run wizardlm2:7b
```

Dialogue

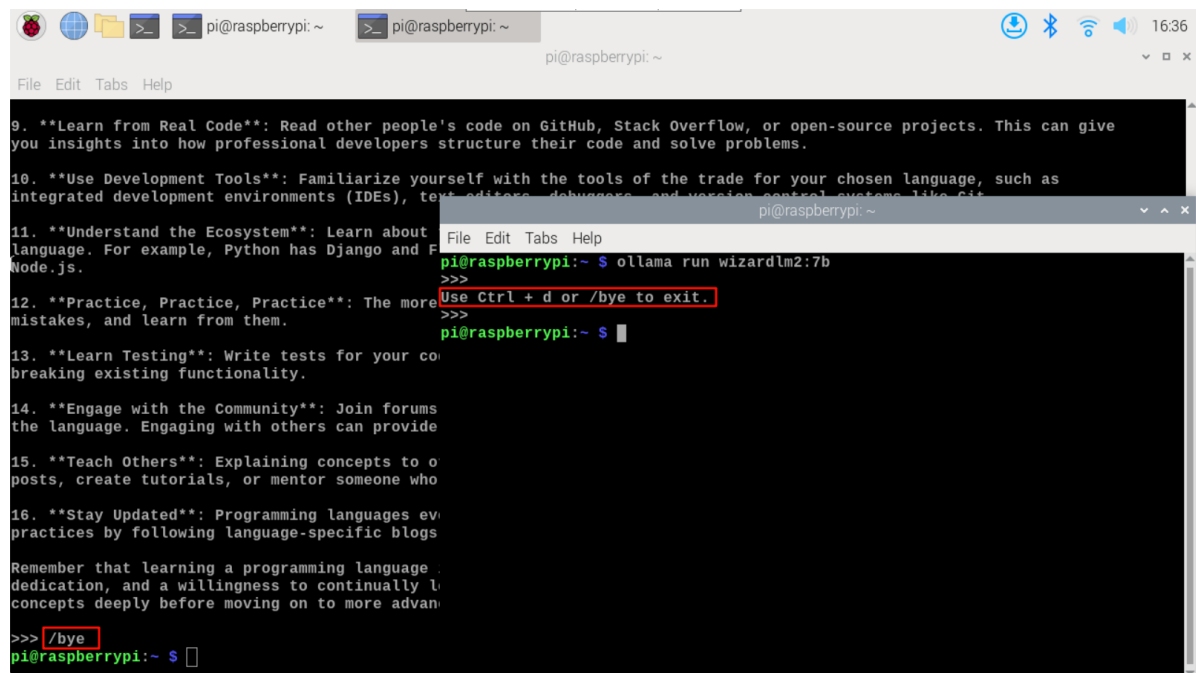
```
How to learn a programming language?
```

The response time to the question is related to the hardware configuration, please be patient and wait.



End conversation

The response time to the question is related to the hardware configuration, please be patient and wait.



```
pi@raspberrypi: ~  
File Edit Tabs Help  
9. **Learn from Real Code**: Read other people's code on GitHub, Stack Overflow, or open-source projects. This can give you insights into how professional developers structure their code and solve problems.  
10. **Use Development Tools**: Familiarize yourself with the tools of the trade for your chosen language, such as integrated development environments (IDEs), text editors, debuggers, and version control systems like Git.  
11. **Understand the Ecosystem**: Learn about the ecosystem of the language. For example, Python has Django and Flask, and Node.js has Express.js.  
12. **Practice, Practice, Practice**: The more you practice, the more comfortable you will become. Don't be afraid of mistakes, and learn from them.  
13. **Learn Testing**: Write tests for your code to ensure it works as expected and to prevent breaking existing functionality.  
14. **Engage with the Community**: Join forums, chat rooms, or local meetups. Engaging with others can provide support, feedback, and new insights.  
15. **Teach Others**: Explaining concepts to others can help solidify your own understanding. Write blog posts, create tutorials, or mentor someone who is just starting.  
16. **Stay Updated**: Programming languages evolve rapidly. Stay up-to-date by following language-specific blogs, newsletters, or social media channels.  
Remember that learning a programming language is a journey that requires patience, dedication, and a willingness to continually learn and adapt.  
>>> /bye  
pi@raspberrypi:~$
```

Reference material

Ollama

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

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

WizardLM-2

Ollama model: <https://ollama.com/library/wizardlm2>