国产大模型

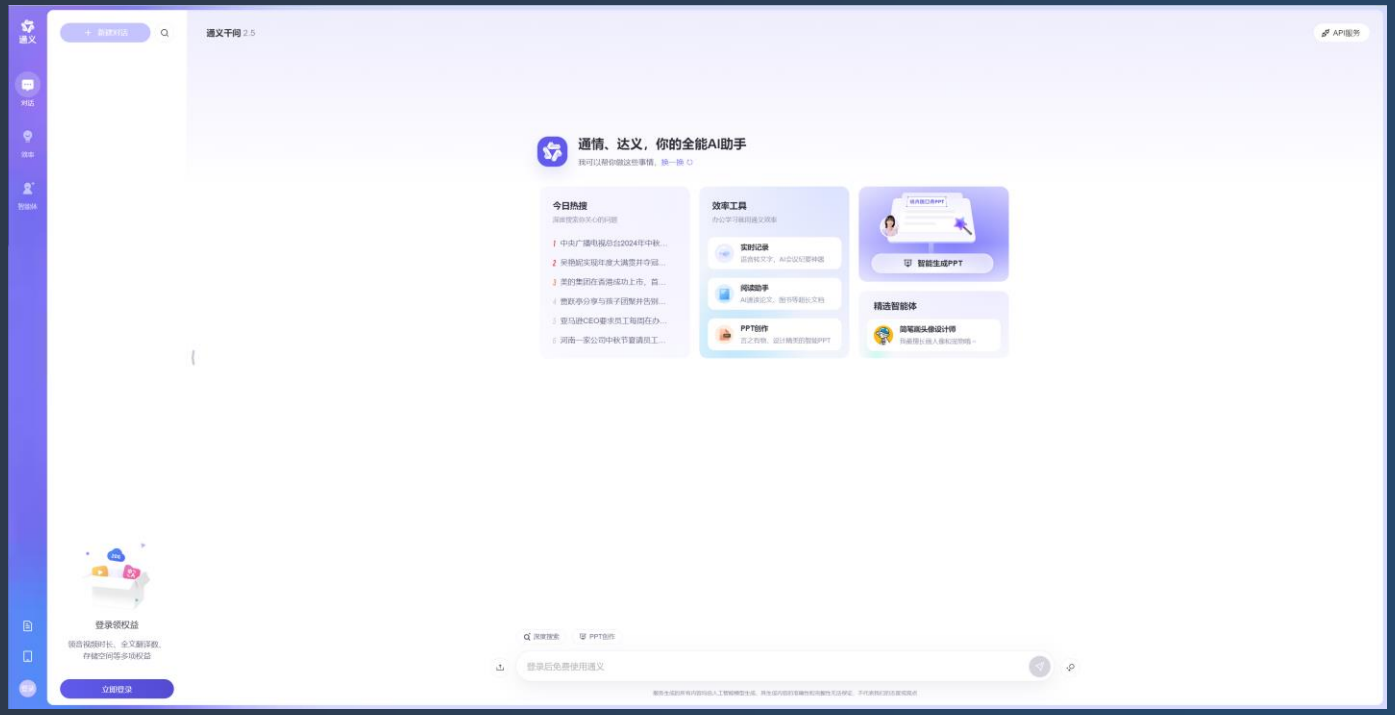
Kimi（月之暗面）

- https://kimi.moonshot.cn/

Kimi是由月之暗面科技有限公司开发的智能助手，擅长处理**长文本**和多语言对话，具备搜索、编程辅助和文件解读等功能。它**支持高达200万汉字的输入**，适用于多种专业领域，旨在提升工作效率。Kimi代表了国内AI技术的突破，引领智能助手的新趋势。

通义千问（阿里云）

- https://tongyi.aliyun.com/qianwen/



通义千问是阿里云开发的一个大型预训练模型，它的主要功能是生成与给定词语相关的高质量文本，以帮助用户获得他们需要的信息、解决问题或完成任务。我是基于通义千问模型打造的助手，能够理解和生成多种类型的文本，包括但不限于文章、故事、诗歌、对话等，并且能够根据用户的需求调整输出的风格和复杂度。

智谱清言

- https://chatglm.cn/?lang=zh

“智谱清言”是一个人工智能助手，它基于智谱 AI 公司于 2024 年联合训练的语言模型 GLM-4 开发而成，它的任务是针对用户的问题和要求提供适当的答复和支持。

国产大模型应用

国产大语言模型在近年来取得了显著的发展，已经成为全球科技竞争的关键领域之一。目前，国内大语言模型的发展呈现出多元化的竞争格局，主要由互联网公司、AI公司、学术及科研机构以及行业专家团队初创公司四大派系构成。其中，百度、阿里巴巴、腾讯等互联网大厂在技术发展和市场应用方面走在前列。

技术层面上，国产大语言模型不断迭代，性能稳步提升。例如，百度的文心一言、阿里巴巴的通义千问等代表性模型在多个领域实现了应用，并展现出了强大的技术实力和市场潜力。在商业化探索方面，国产大模型正通过技术创新、行业合作和安全合规等多维度努力，加速AI技术的商业化落地和产业智能化转型。

市场规模方面，据相关数据显示，中国大语言模型市场规模在2023年实现了快速增长，增长率突破100%，市场规模达到147亿元人民币。预计到2027年，市场规模将达到600亿元，显示出巨大的市场潜力和发展空间。

在竞争力评价方面，国产大语言模型在上下文理解、响应速度、输出信息多样化等方面具有较强的竞争力，并且在知识储备和长文本阅读能力方面也展现出了优势。

总体来看，国产大语言模型正通过技术创新和市场应用的双轮驱动，加速推动AI技术的商业化落地和产业智能化转型，展现出了强劲的发展势头和广阔的发展前景。

实验软件安装

Anaconda

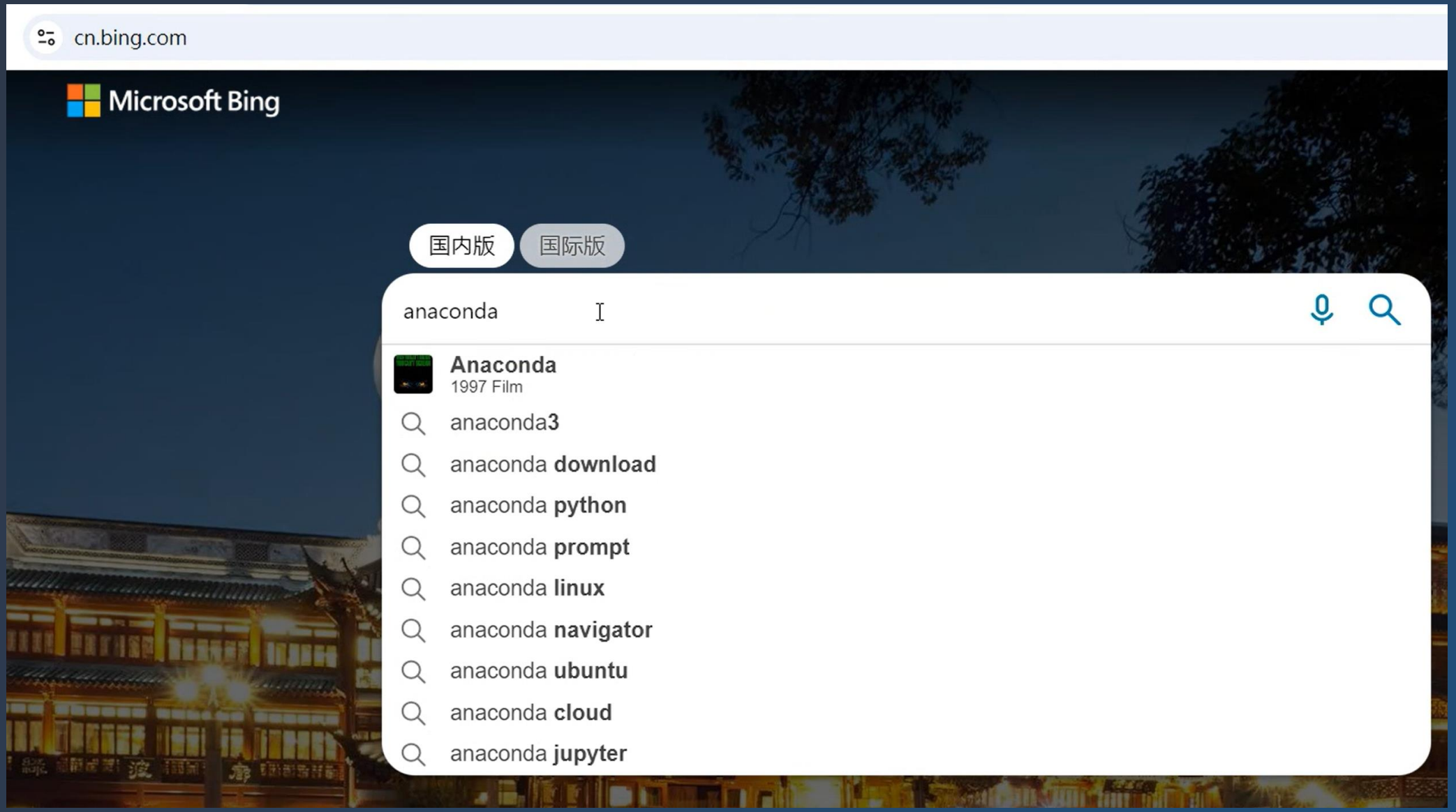
VScode

Anaconda

Anaconda 是一个流行的开源Python和R语言的发行版，它旨在简化包管理和部署。Anaconda 包含了conda、Python、R语言以及一系列的科学计算、数据分析和机器学习相关的库和工具。它主要用于数据科学、机器学习、科学计算和分析领域。Anaconda 的主要特点包括:

1.包管理器：conda 是一个包管理器和环境管理器，可以轻松安装、运行和更新软件包和库。
2.跨平台：支持 Windows、macOS 和 Linux 系统。
3.环境管理：可以创建隔离的环境，用于不同的项目，避免依赖冲突。
4.大量预安装的库：Anaconda 预装了许多常用的数据科学和机器学习库，如 NumPy、Pandas、SciPy、Matplotlib、TensorFlow、Scikit-learn 等。
5.Anaconda Navigator：一个图形用户界面，用于管理 Anaconda 环境和启动应用程序。

1.搜索官方下载链接



https://www.anaconda.com/download/success

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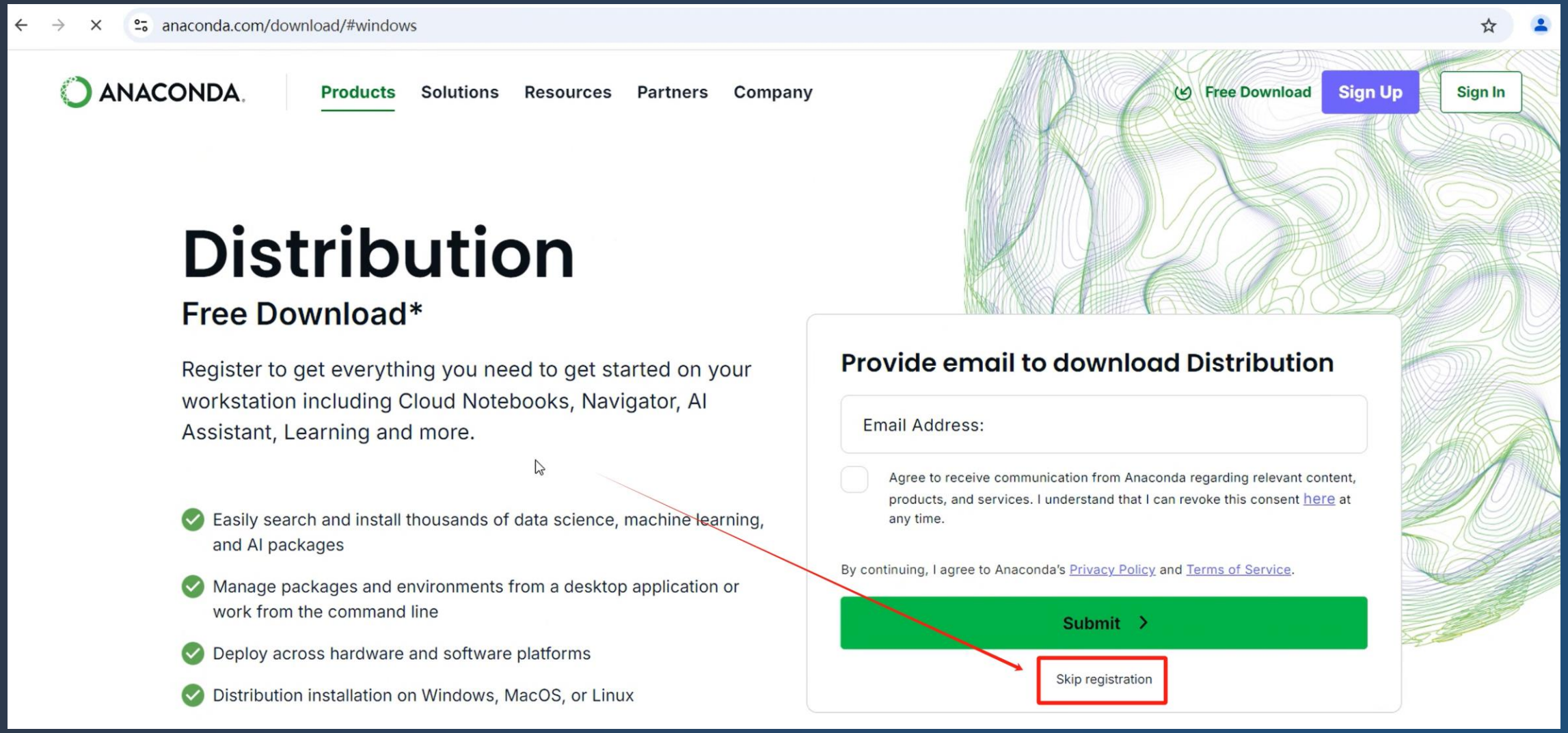

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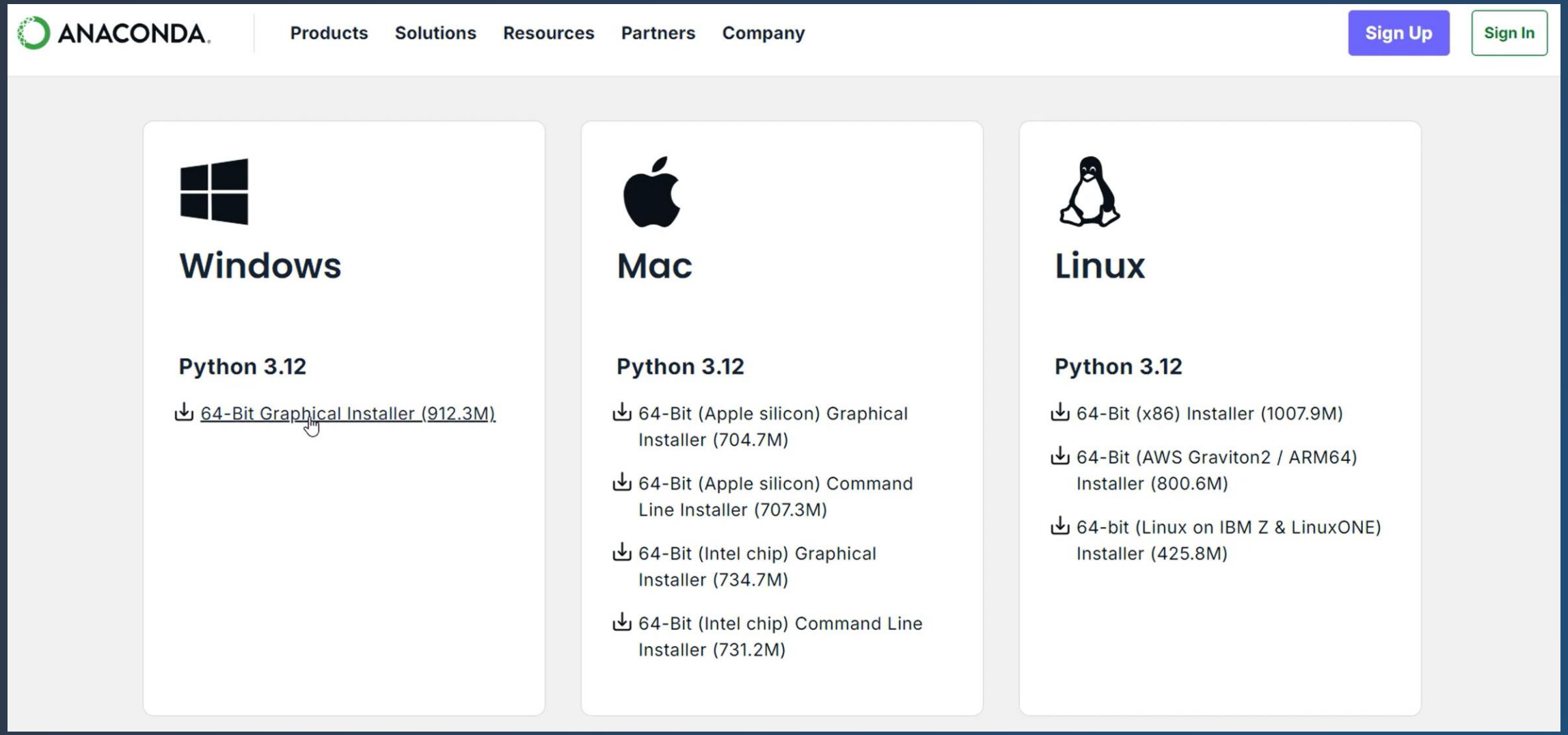

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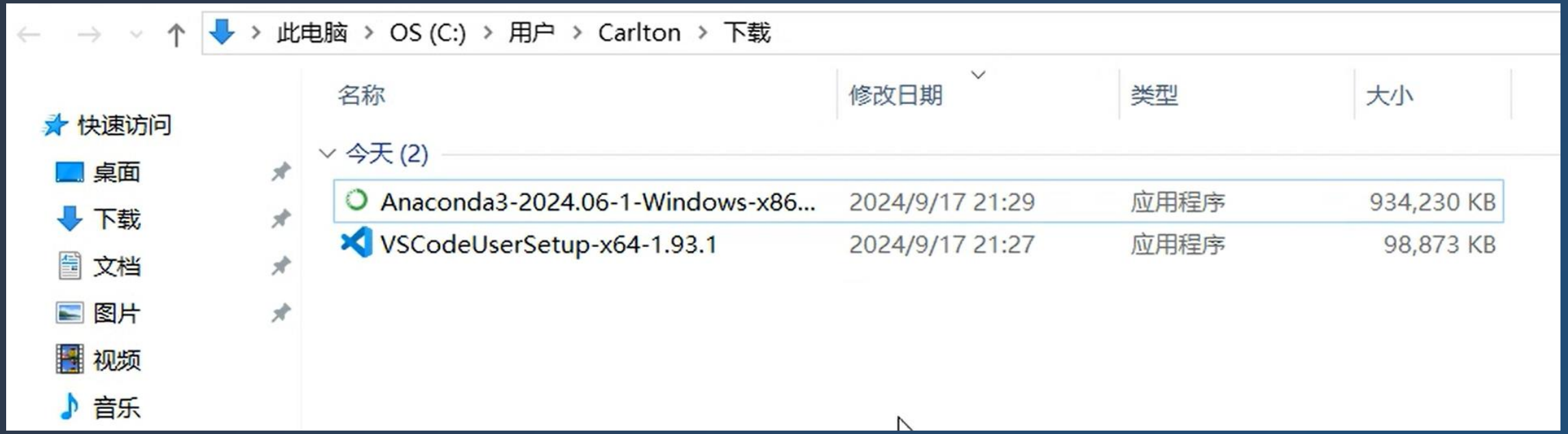
此电脑 > OS (C:) > 用户 > Carlton > 下载
名称
修改日期
类型
大小
快速访问
桌面
下载
文档
图片
视频
音乐
今天 (2)
Anaconda3-2024.06-1-Windows-x86...
2024/9/17 21:29
应用程序
934,230 KB
VSCodeUserSetup-x64-1.93.1
2024/9/17 21:27
应用程序
98,873 KB

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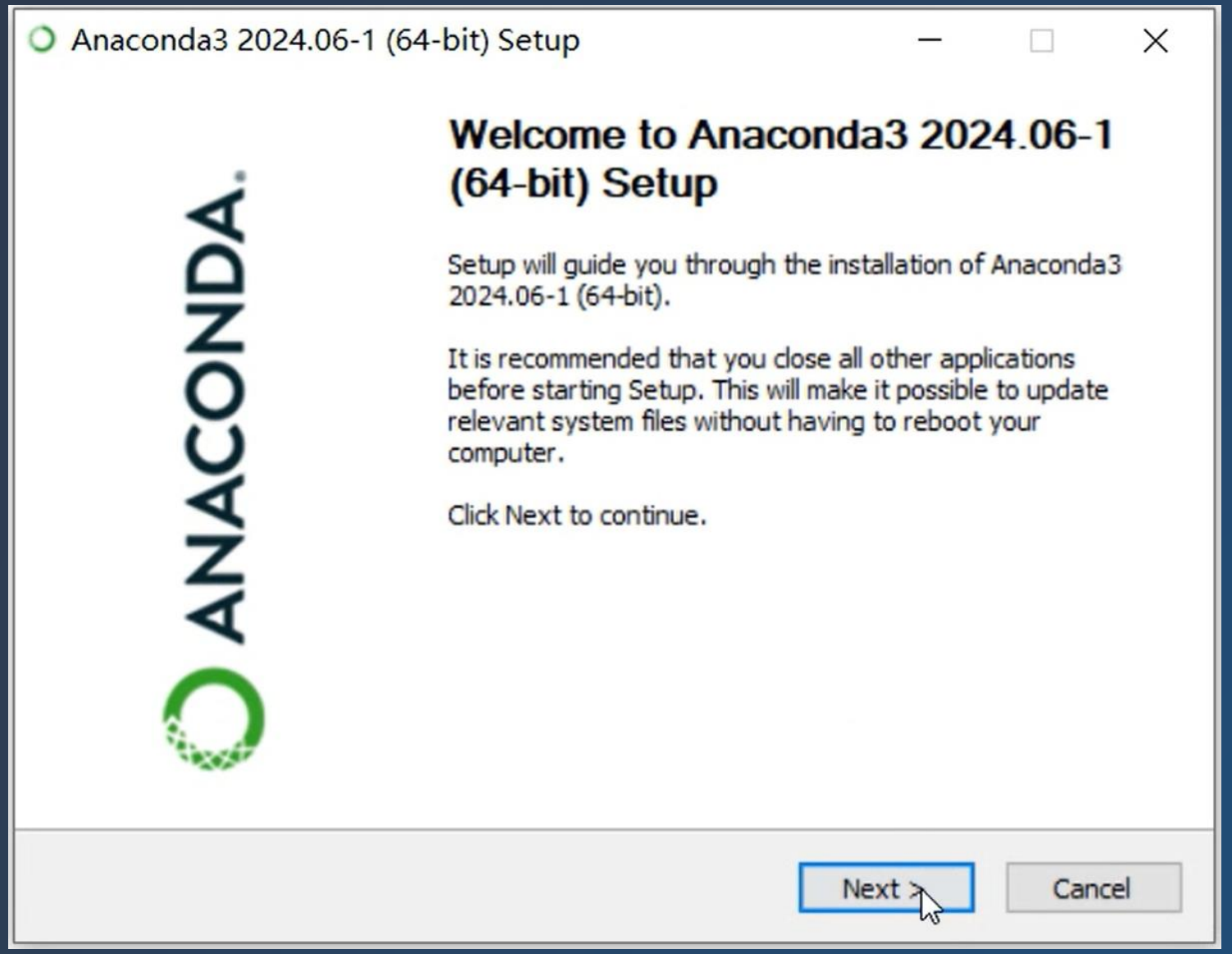
Anaconda3 2024.06-1 (64-bit) Setup
Welcome to Anaconda3 2024.06-1 (64-bit) Setup
Setup will guide you through the installation of Anaconda3 2024.06-1 (64-bit).
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
ANACONDA.
Next >
Cancel

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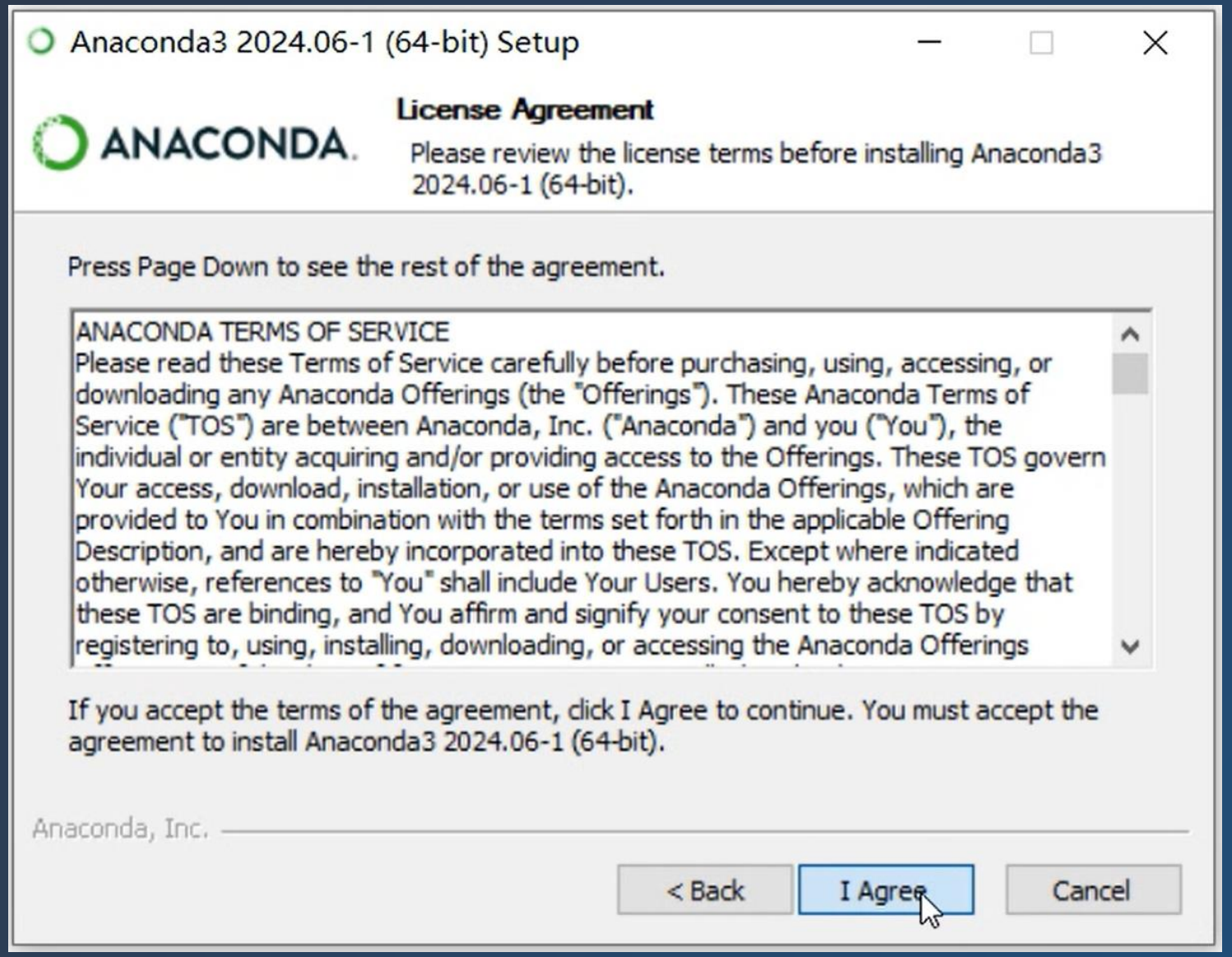
Anaconda3 2024.06-1 (64-bit) Setup
ANACONDA.
License Agreement
Please review the license terms before installing Anaconda3 2024.06-1 (64-bit).
Press Page Down to see the rest of the agreement.
ANACONDA TERMS OF SERVICE
Please read these Terms of Service carefully before purchasing, using, accessing, or downloading any Anaconda Offerings (the "Offerings"). These Anaconda Terms of Service ("TOS") are between Anaconda, Inc. ("Anaconda") and you ("You"), the individual or entity acquiring and/or providing access to the Offerings. These TOS govern Your access, download, installation, or use of the Anaconda Offerings, which are provided to You in combination with the terms set forth in the applicable Offering Description, and are hereby incorporated into these TOS. Except where indicated otherwise, references to "You" shall include Your Users. You hereby acknowledge that these TOS are binding, and You affirm and signify your consent to these TOS by registering to, using, installing, downloading, or accessing the Anaconda Offerings
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Anaconda3 2024.06-1 (64-bit).
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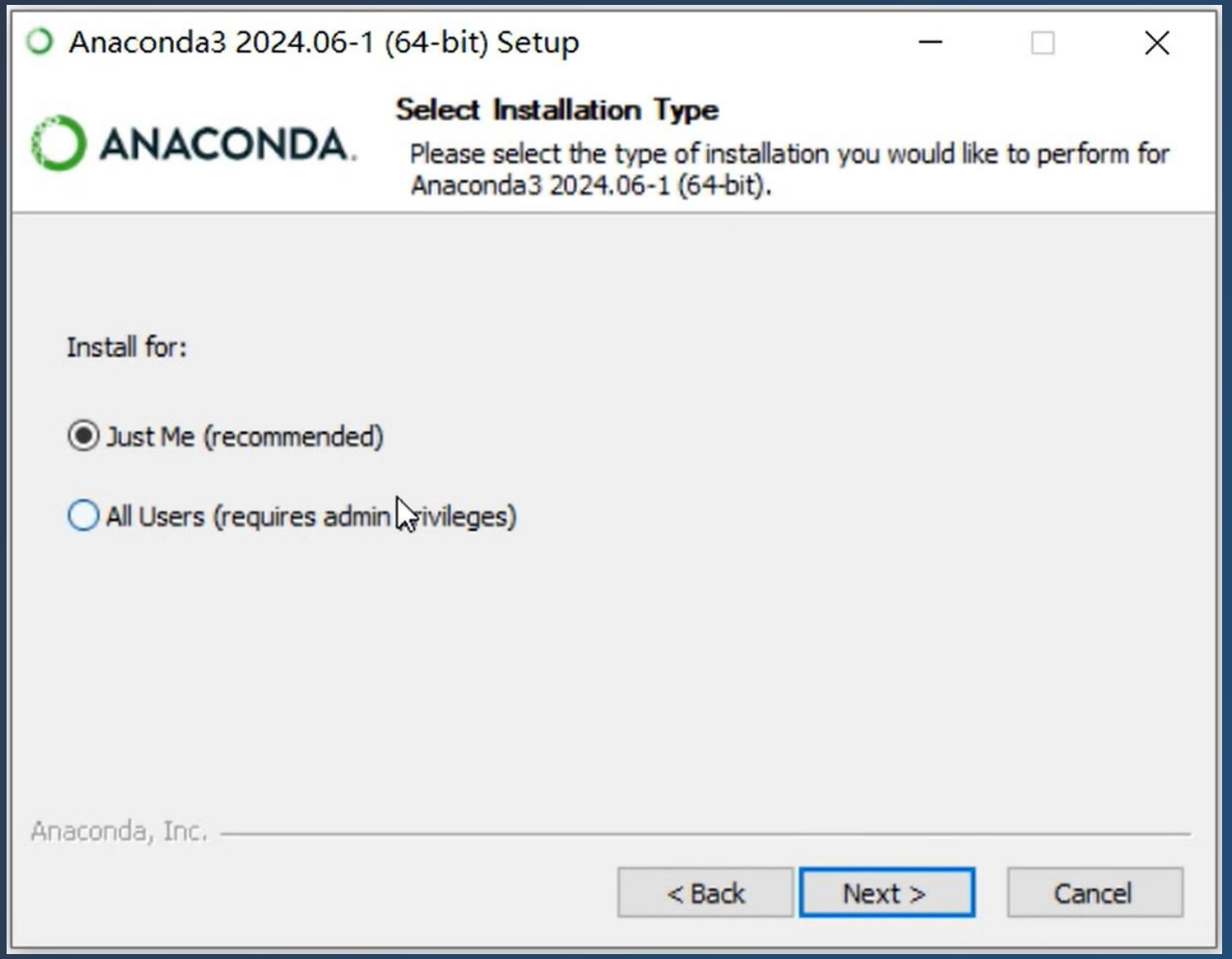
Anaconda3 2024.06-1 (64-bit) Setup
ANACONDA.
Select Installation Type
Please select the type of installation you would like to perform for Anaconda3 2024.06-1 (64-bit).
Install for:
Just Me (recommended)
All Users (requires admin privileges)
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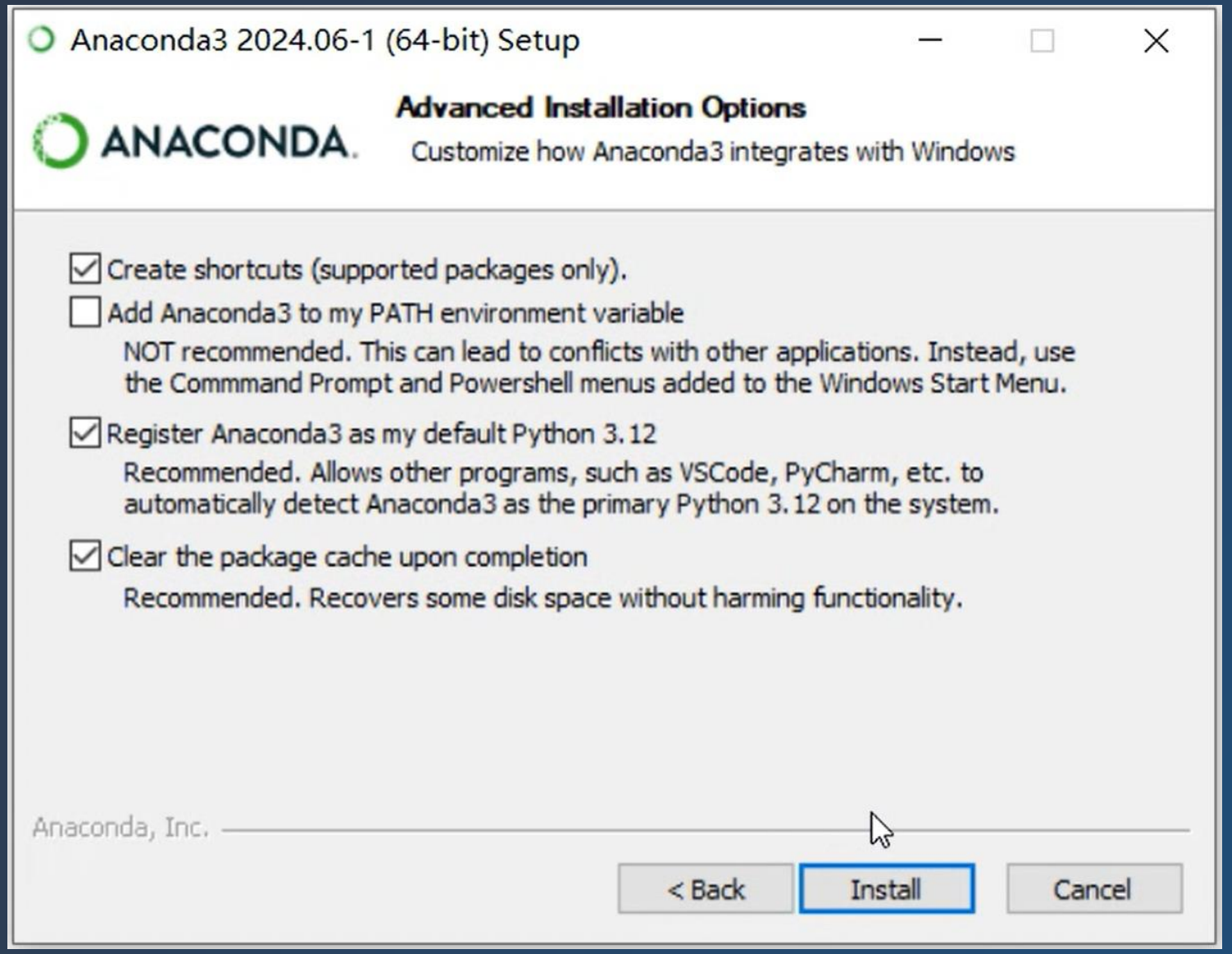
Anaconda3 2024.06-1 (64-bit) Setup
ANACONDA.
Advanced Installation Options
Customize how Anaconda3 integrates with Windows
Create shortcuts (supported packages only).
Add Anaconda3 to my PATH environment variable
NOT recommended. This can lead to conflicts with other applications. Instead, use the Commmand Prompt and Powershell menus added to the Windows Start Menu.
Register Anaconda3 as my default Python 3.12
Recommended. Allows other programs, such as VSCode, PyCharm, etc. to automatically detect Anaconda3 as the primary Python 3.12 on the system.
Clear the package cache upon completion
Recommended. Recovers some disk space without harming functionality.
Anaconda, Inc.
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Install
Cancel

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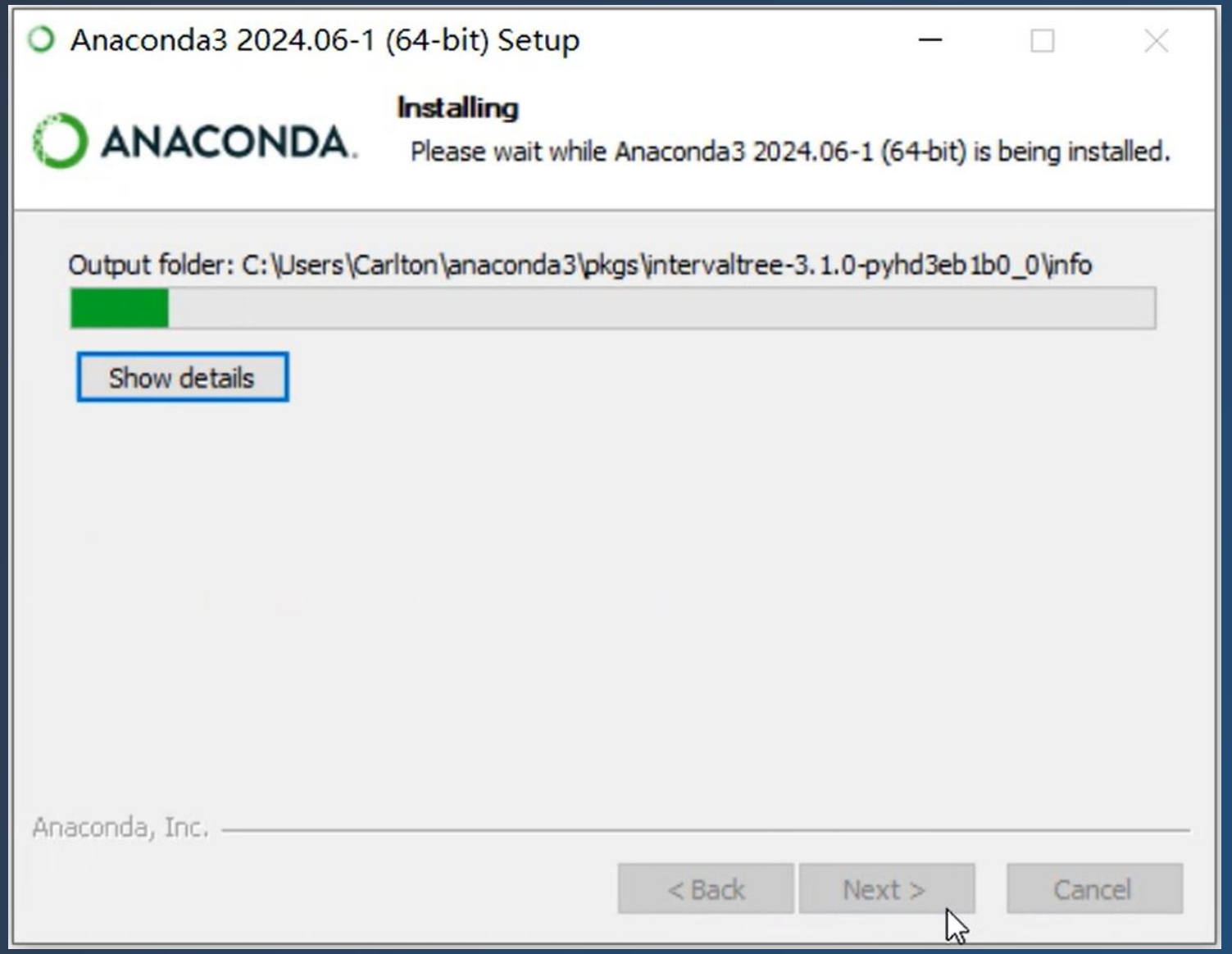
Anaconda3 2024.06-1 (64-bit) Setup
ANACONDA.
Installing
Please wait while Anaconda3 2024.06-1 (64-bit) is being installed.
Output folder: C:\Users\Carlton\anaconda3\pkgs\intervaltree-3.1.0-pyhd3eb1b0_0\info
Show details
Anaconda, Inc.
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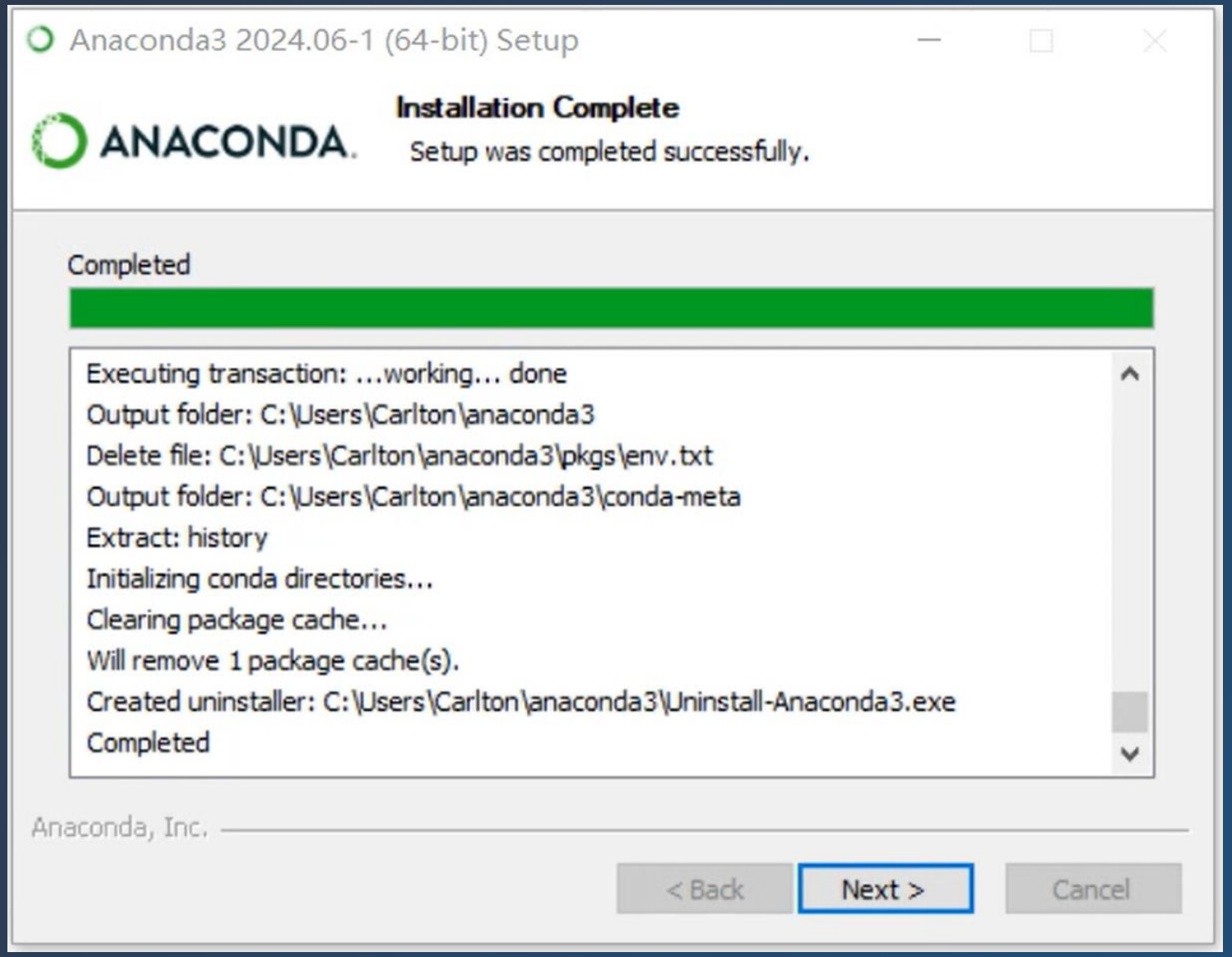
Anaconda3 2024.06-1 (64-bit) Setup
ANACONDA.
Installation Complete
Setup was completed successfully.
Completed
Executing transaction: ...working... done
Output folder: C:\Users\Carlton\anaconda3
Delete file: C:\Users\Carlton\anaconda3\pkgs\env.txt
Output folder: C:\Users\Carlton\anaconda3\conda-meta
Extract: history
Initializing conda directories...
Clearing package cache...
Will remove 1 package cache(s).
Created uninstaller: C:\Users\Carlton\anaconda3\Uninstall-Anaconda3.exe
Completed
Anaconda, Inc.
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Anaconda3 2024.06-1 (64-bit) Setup
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Anaconda3 2024.06-1 (64-bit)
Code with Anaconda in the Cloud
Everything you love about Anaconda now available from the cloud with Anaconda's fully-loaded Jupyter notebook.
No setup required. Get started for free.
Code in the cloud with Anaconda Notebooks
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jupyter
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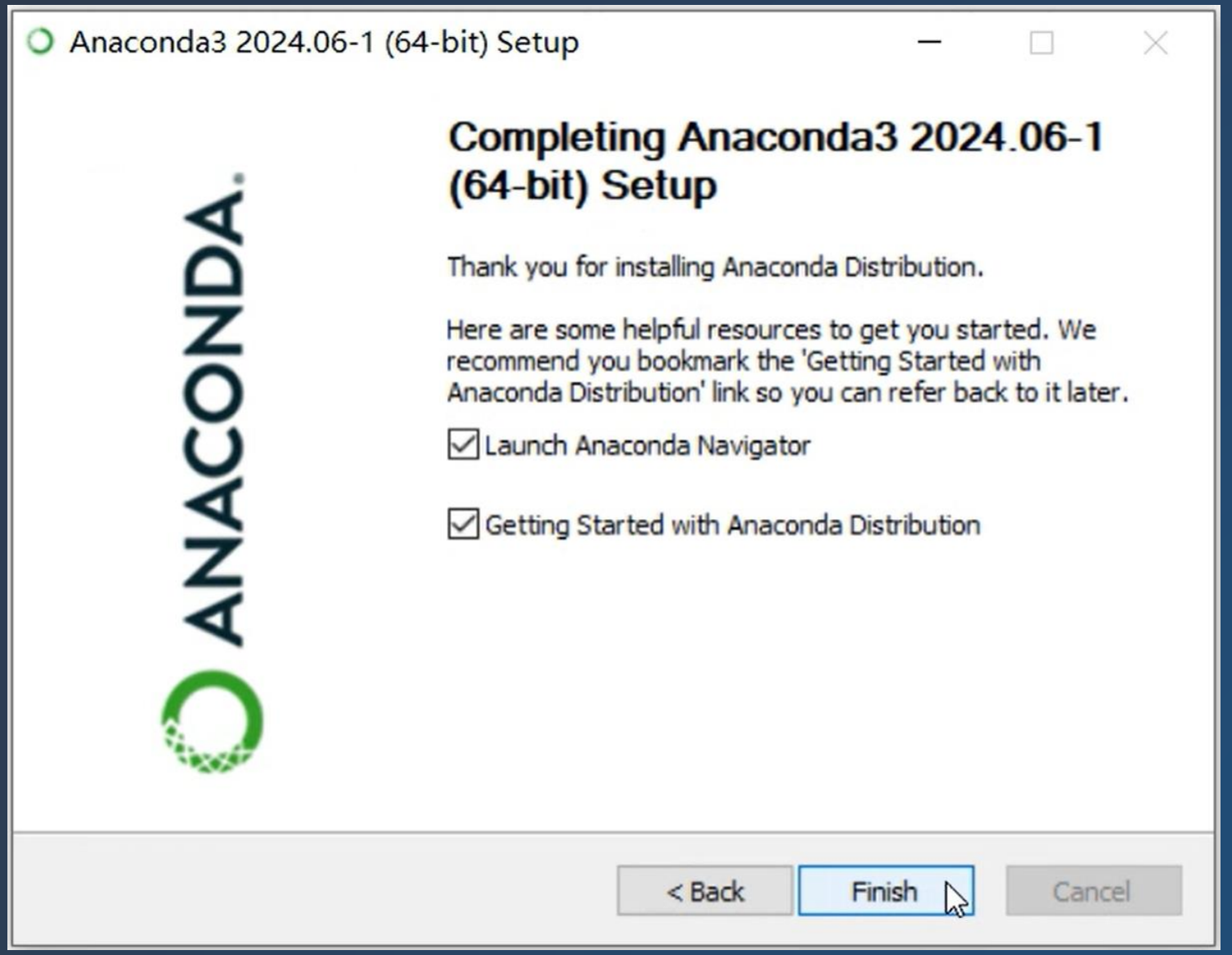
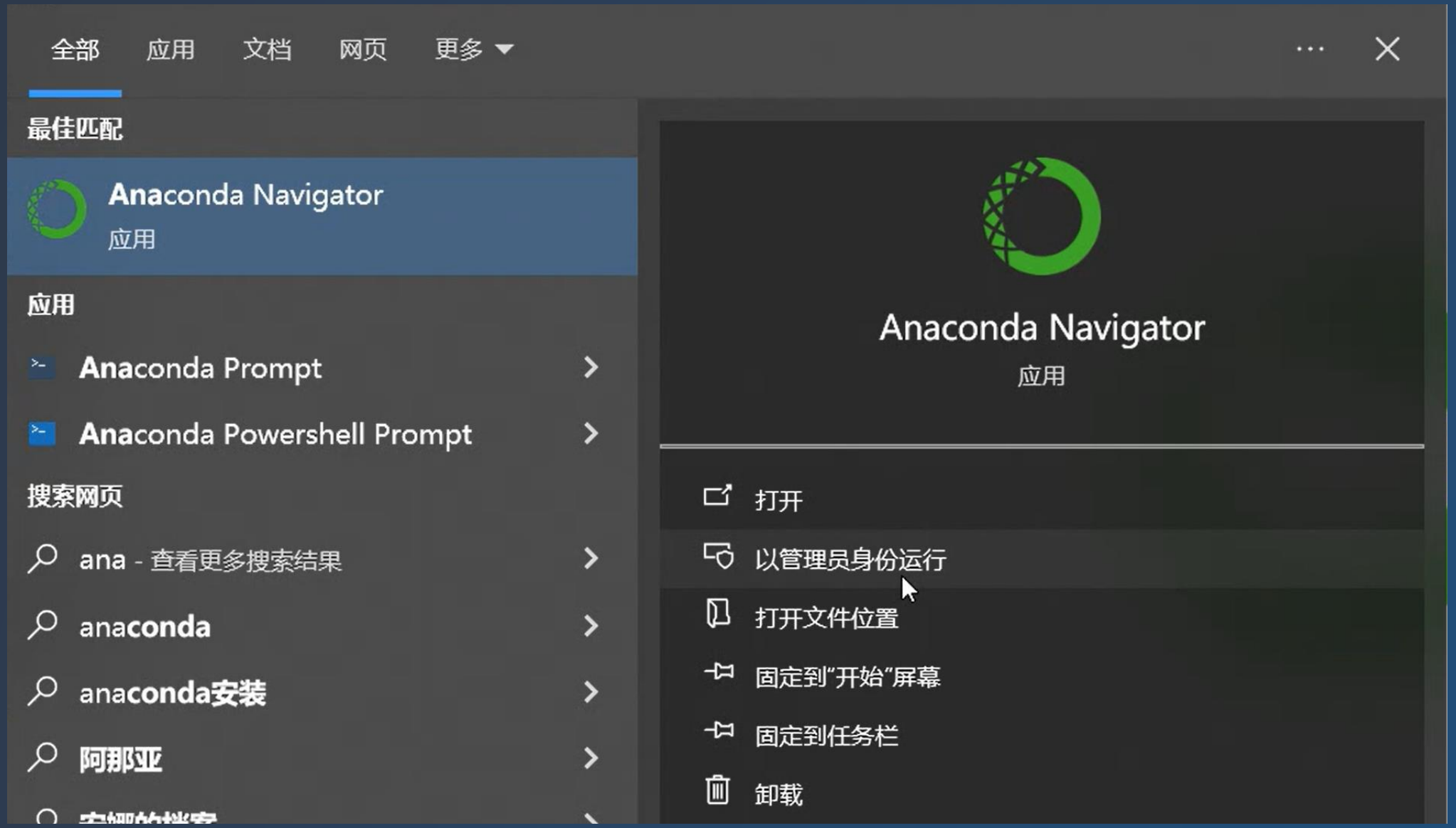
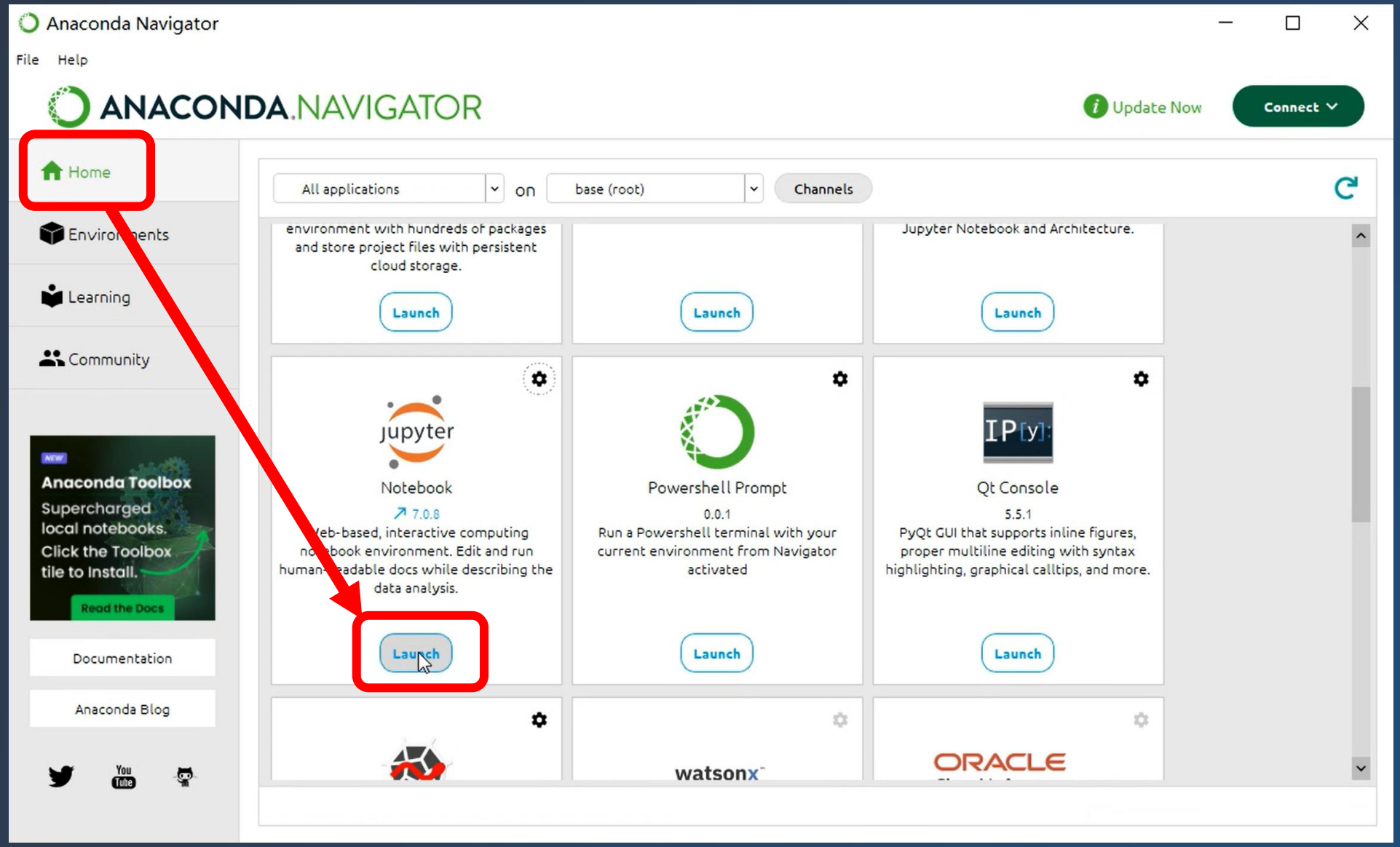

Anaconda3 2024.06-1 (64-bit) Setup
Completing Anaconda3 2024.06-1 (64-bit) Setup
Thank you for installing Anaconda Distribution.
Here are some helpful resources to get you started. We recommend you bookmark the 'Getting Started with Anaconda Distribution' link so you can refer back to it later.
Launch Anaconda Navigator
Getting Started with Anaconda Distribution
ANACONDA.
< Back
Finish
Cancel

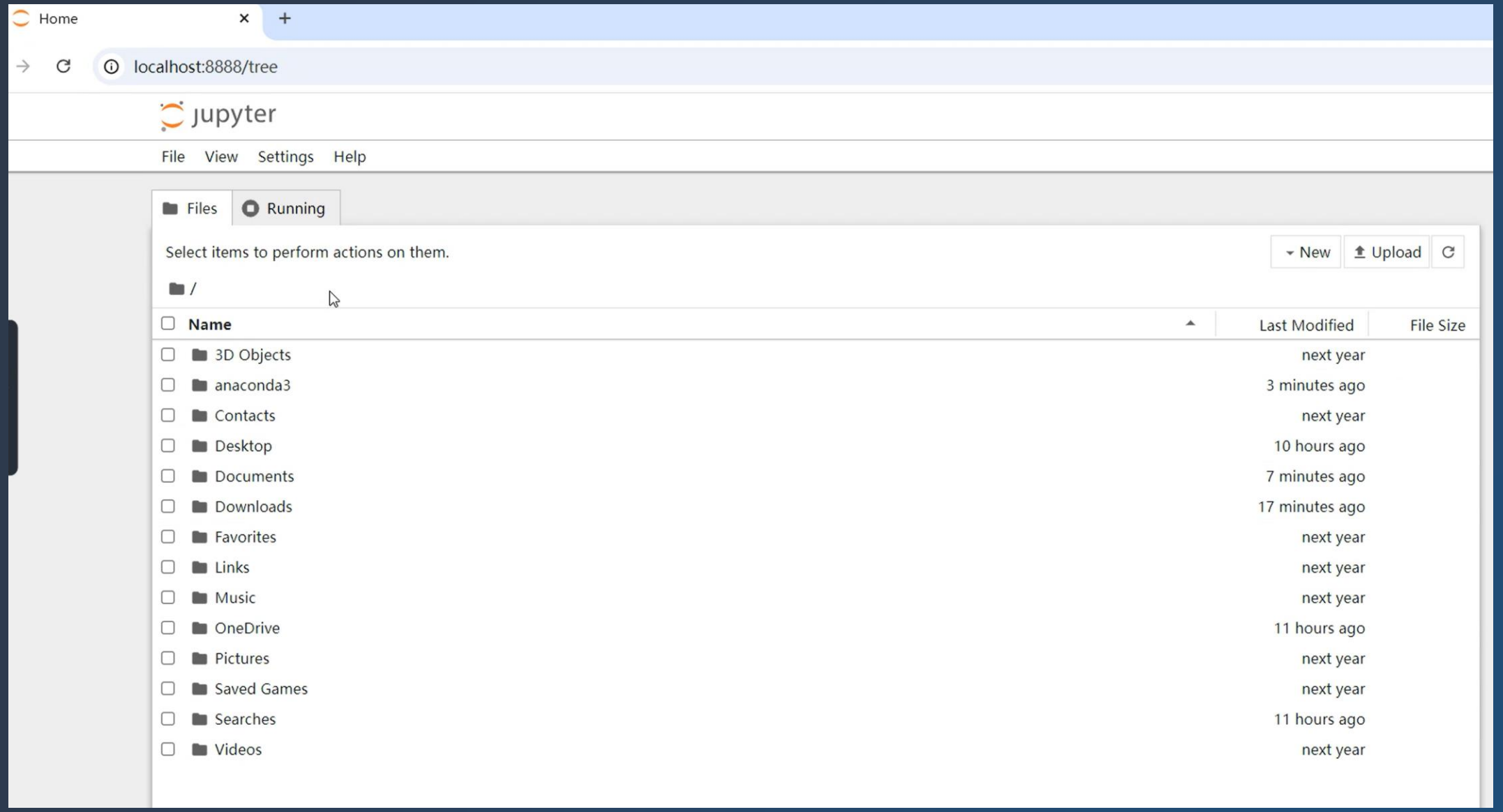
3.启动Anaconda Navigator



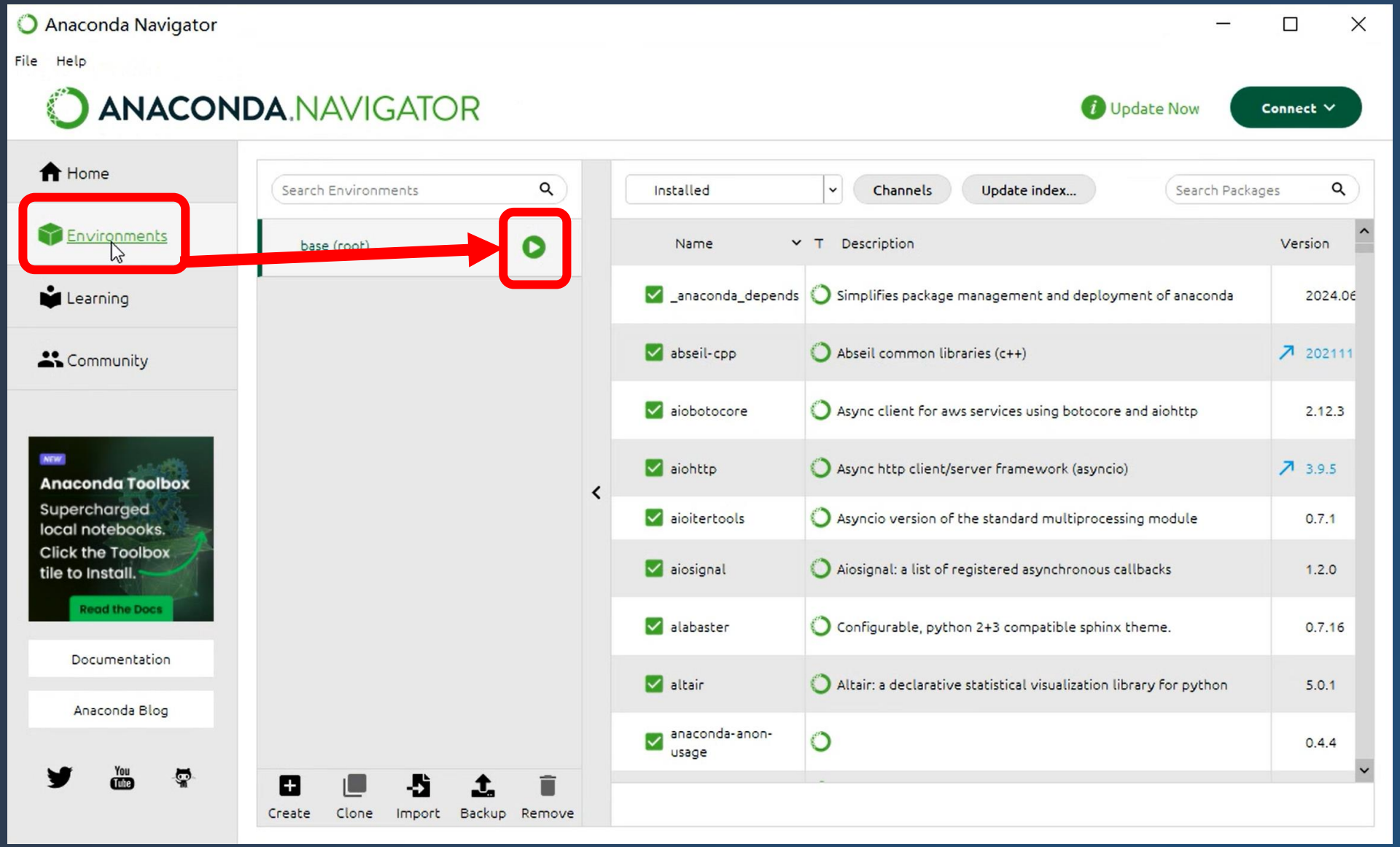
3.启动Jupyter Notebook （Home）



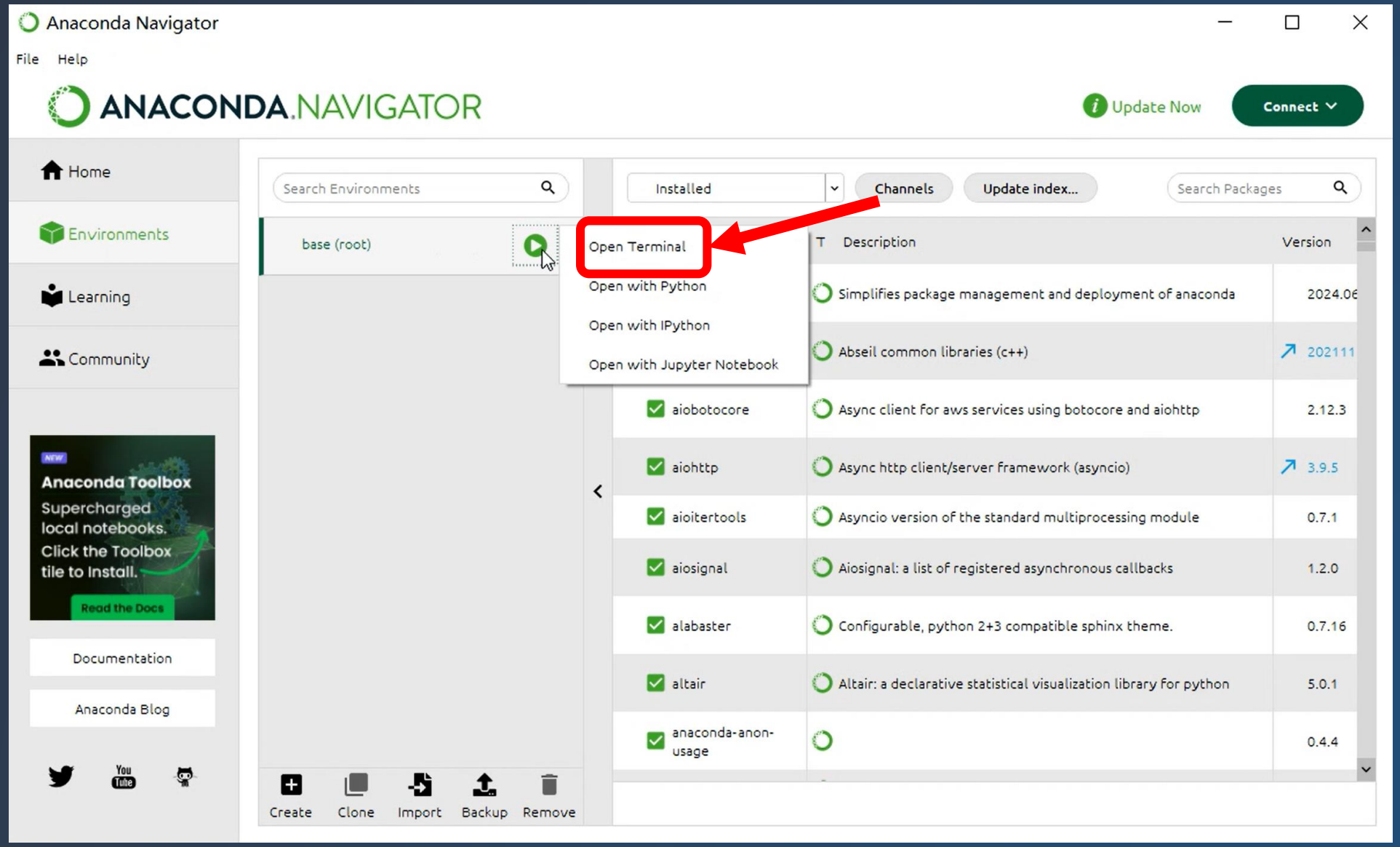
3.启动Jupyter Notebook （Home）



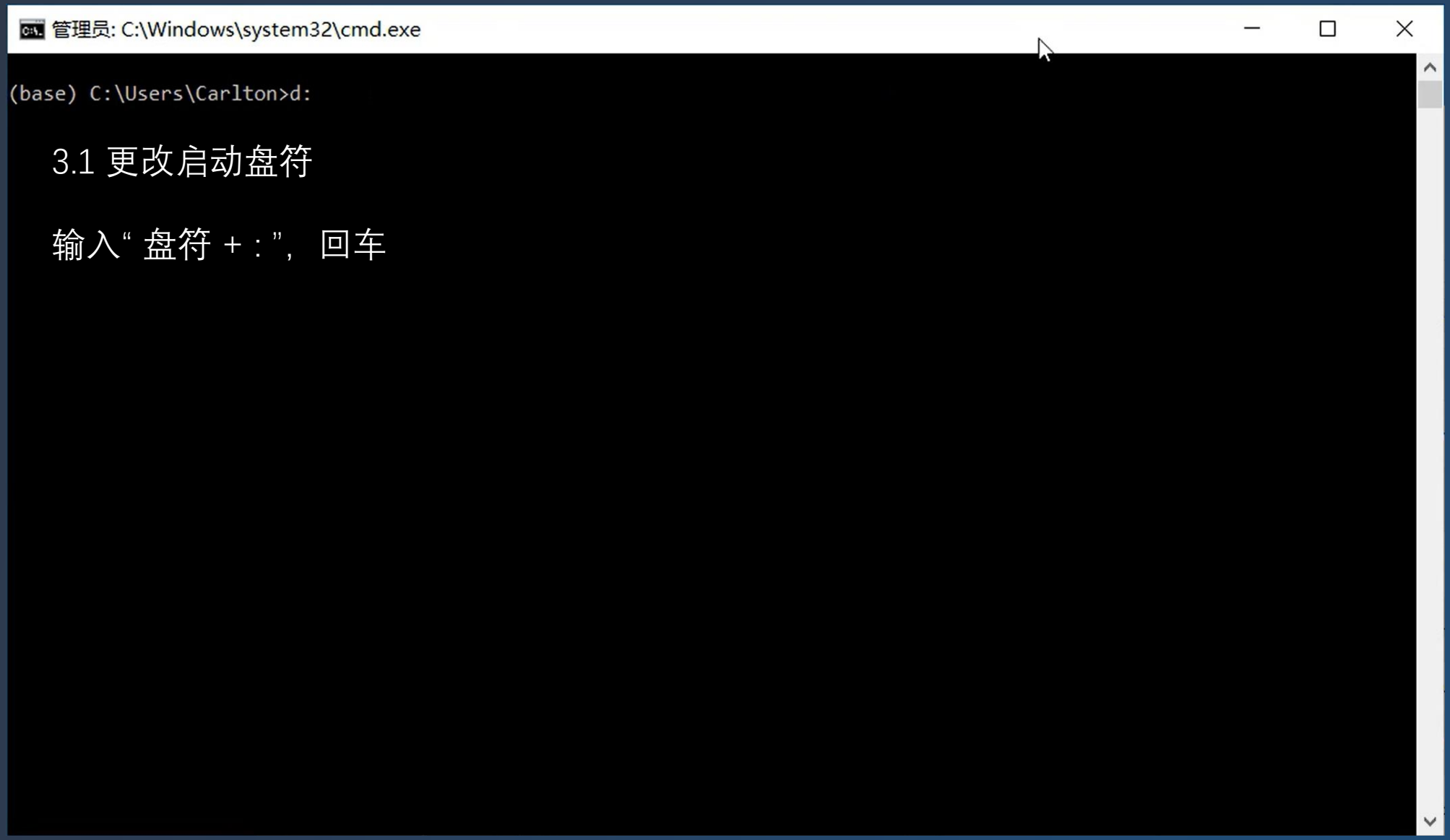
3.启动Jupyter Notebook （Terminal）

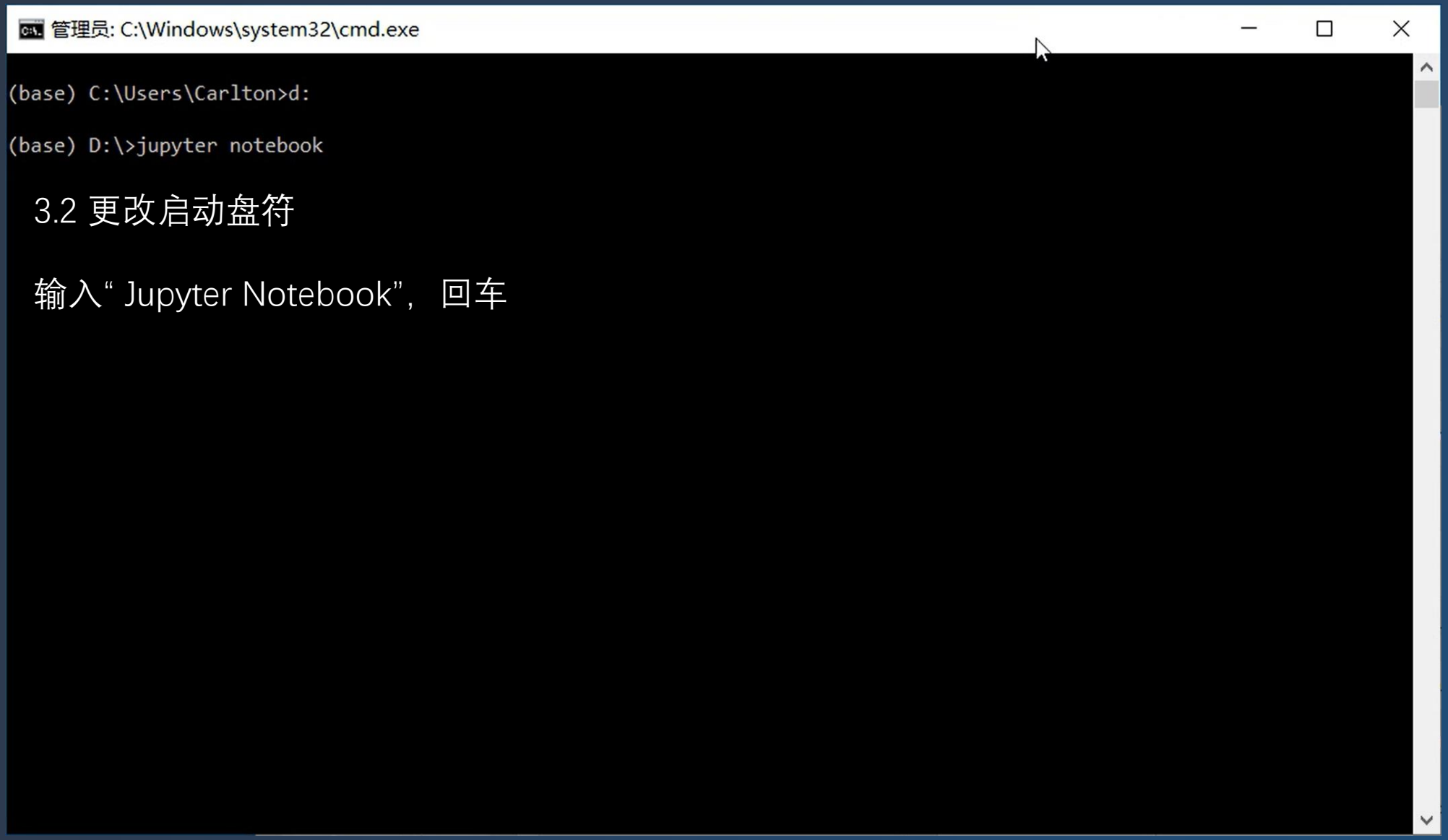


3.启动Jupyter Notebook （Terminal）



3.启动Jupyter Notebook （Terminal）

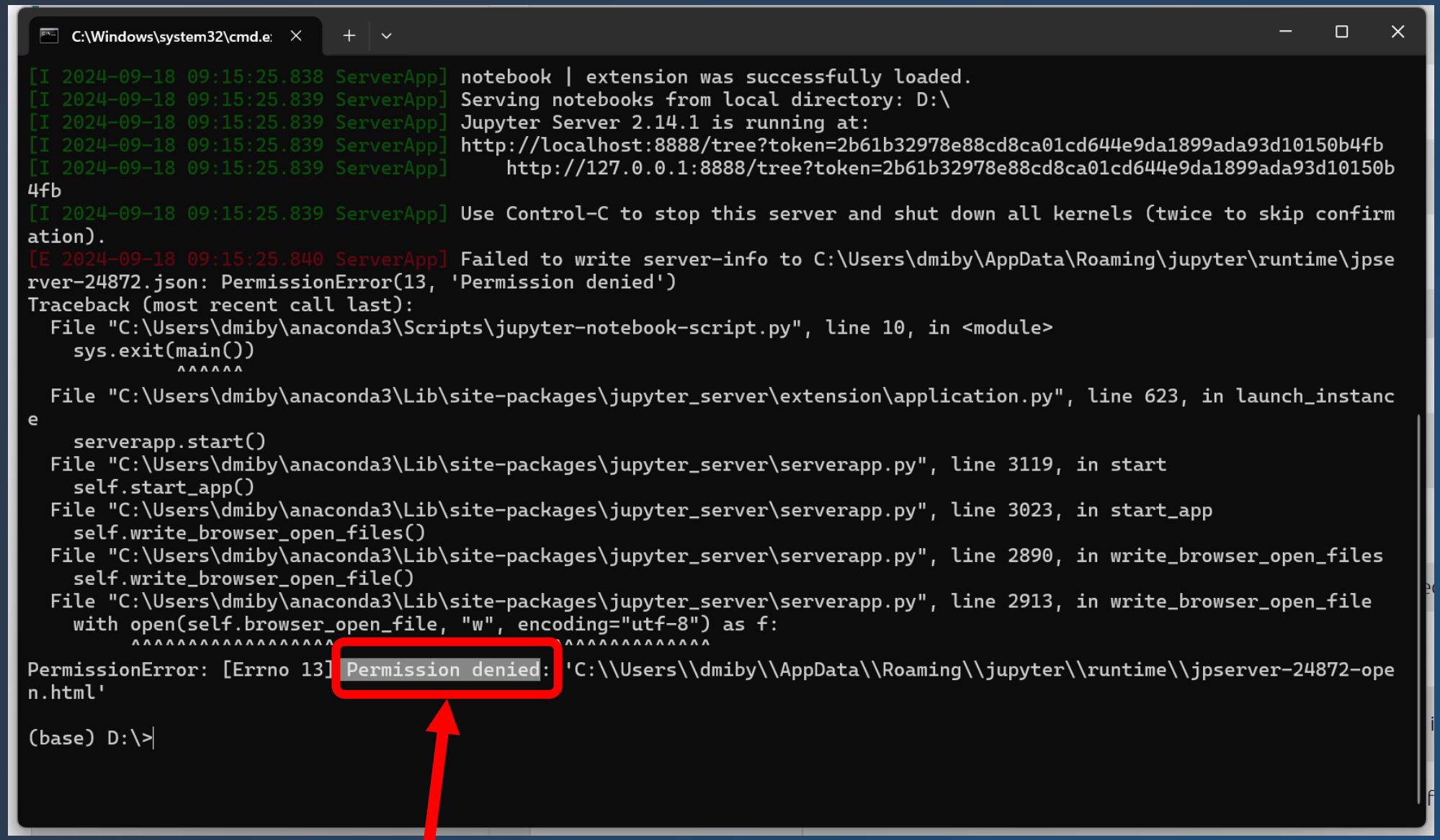




3.2 更改启动盘符

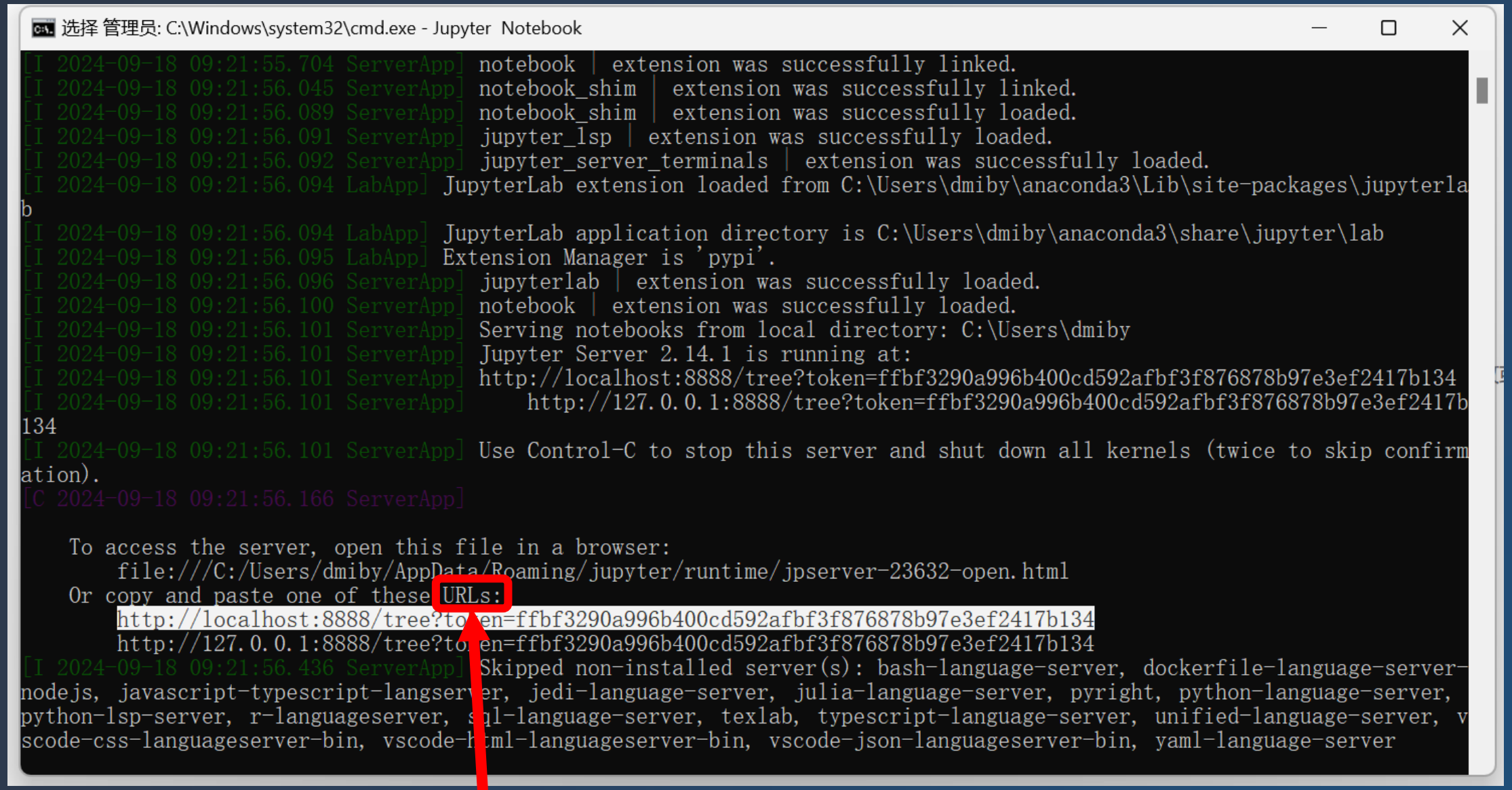
输入“ Jupyter Notebook”，回车

3.启动Jupyter Notebook （Terminal）



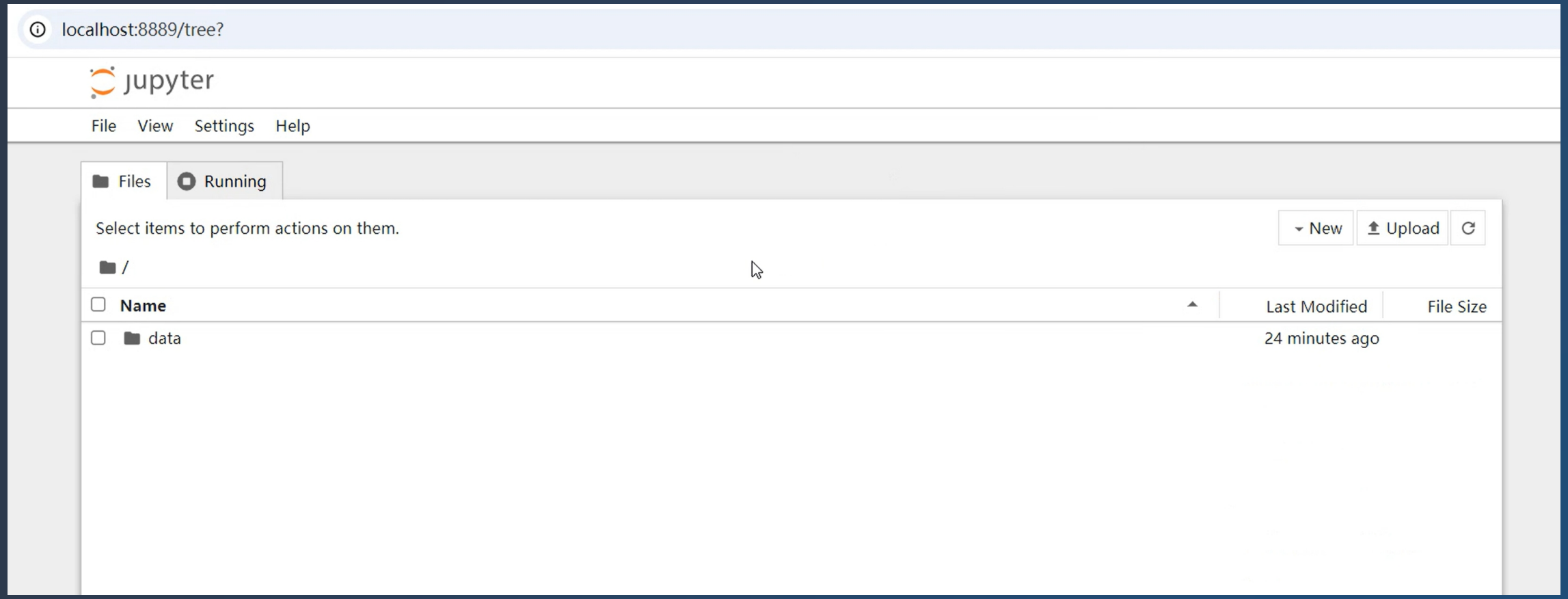
如果出现“Permission denied”报错信息，请关闭Anaconda，并重新以“管理员身份运行”

3.启动Jupyter Notebook （Terminal）

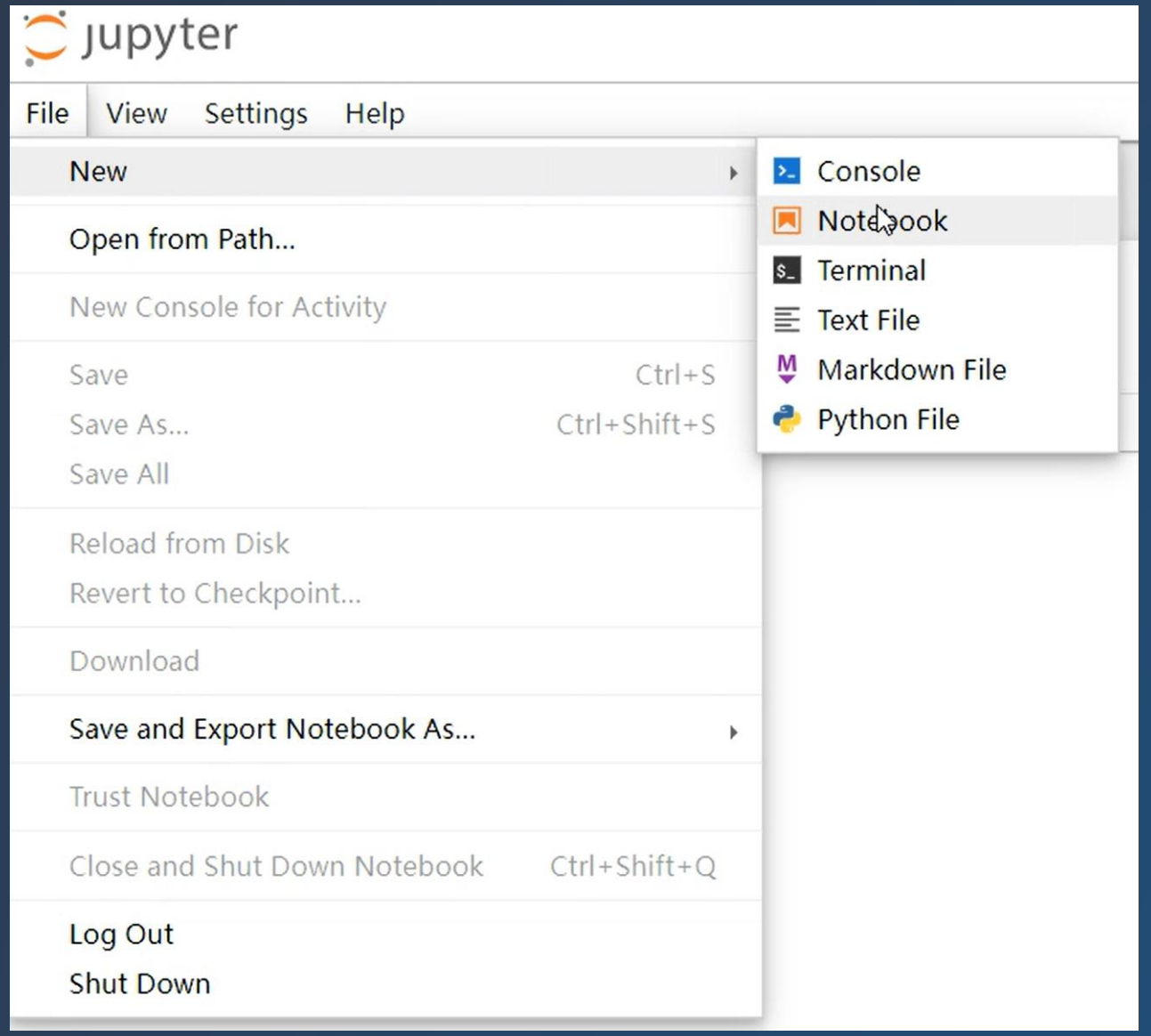


如果出现无法自动弹出Jupyter Notebook，请复制URLs至浏览器中

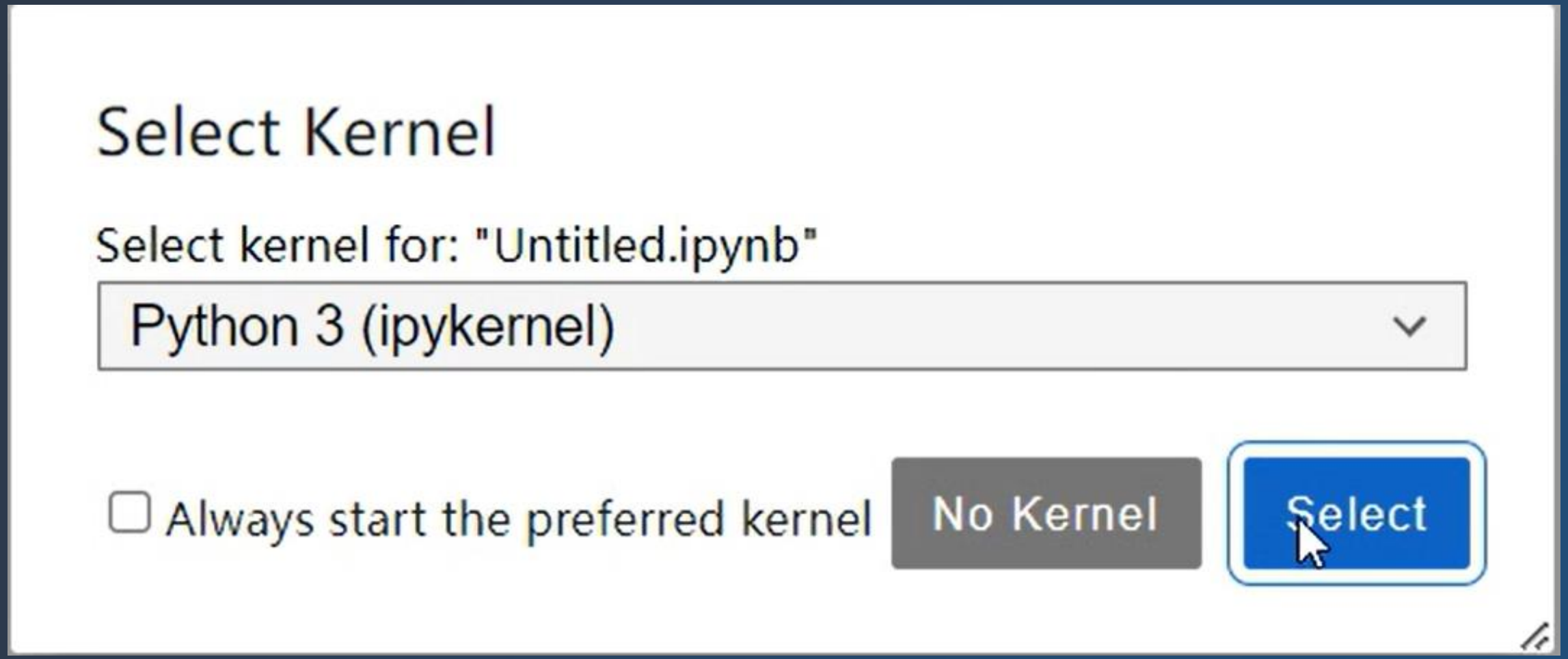
4.运行Jupyter Notebook



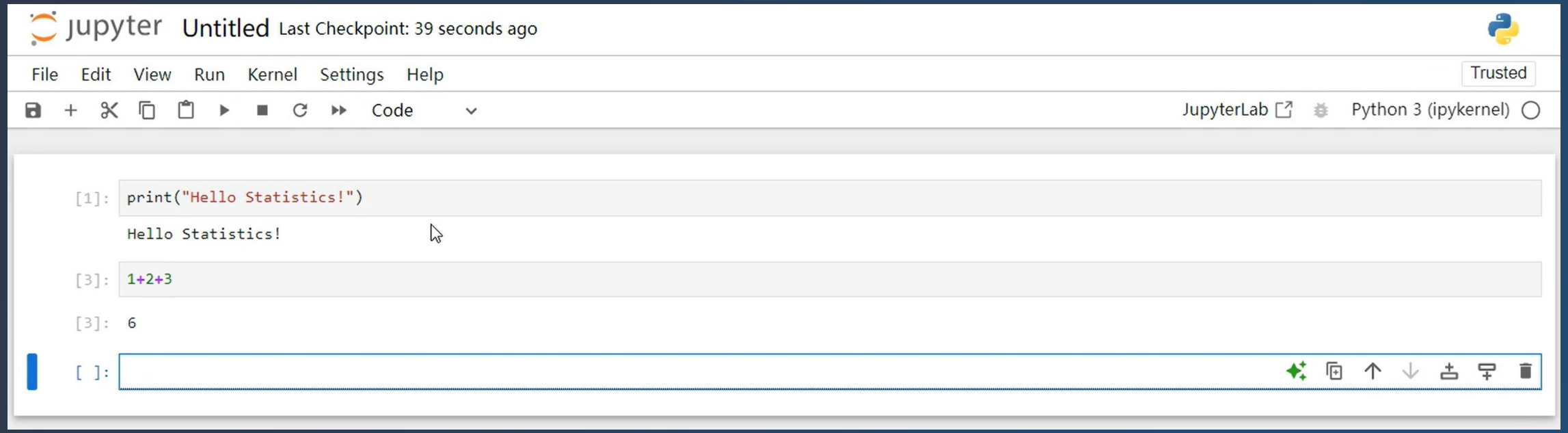
4.运行Jupyter Notebook



4.运行Jupyter Notebook



4.运行Jupyter Notebook

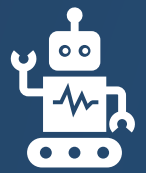


编写代码：print(“Hello Statistics”)
Shift+回车

编写代码：1+2+3
Shift+回车

Jupyter Notebook常用快捷键

A、B、DD、……



VScode

Visual Studio Code（简称 VS Code）是一个由微软开发的免费、开源的代码编辑器。它支持多种编程语言，包括但不限于 JavaScript、TypeScript、Python、PHP、C++、C#、Go、Java、Ruby、Markdown 等，并且通过安装扩展可以支持更多的语言和功能。VS Code 的主要特点包括：

1.轻量级：虽然功能强大，但相对于其他一些集成开发环境（IDE），占用的资源较少，启动速度快。
2.跨平台：它支持 Windows、macOS 和 Linux 操作系统。
3.智能代码补全：提供基于语言的智能代码补全功能，提高编程效率。
4.代码高亮和格式化：支持代码高亮和自动格式化，使代码更易于阅读。
5.自定义主题和快捷键：允许用户自定义编辑器的主题、快捷键和其他设置，以适应个人的工作习惯。
6.调试功能：内置调试工具，支持多种语言和运行环境的调试。
7.版本控制集成：内置 Git 版本控制支持，方便代码的版本管理。
8.远程开发：支持远程开发功能，可以连接到远程服务器进行开发。

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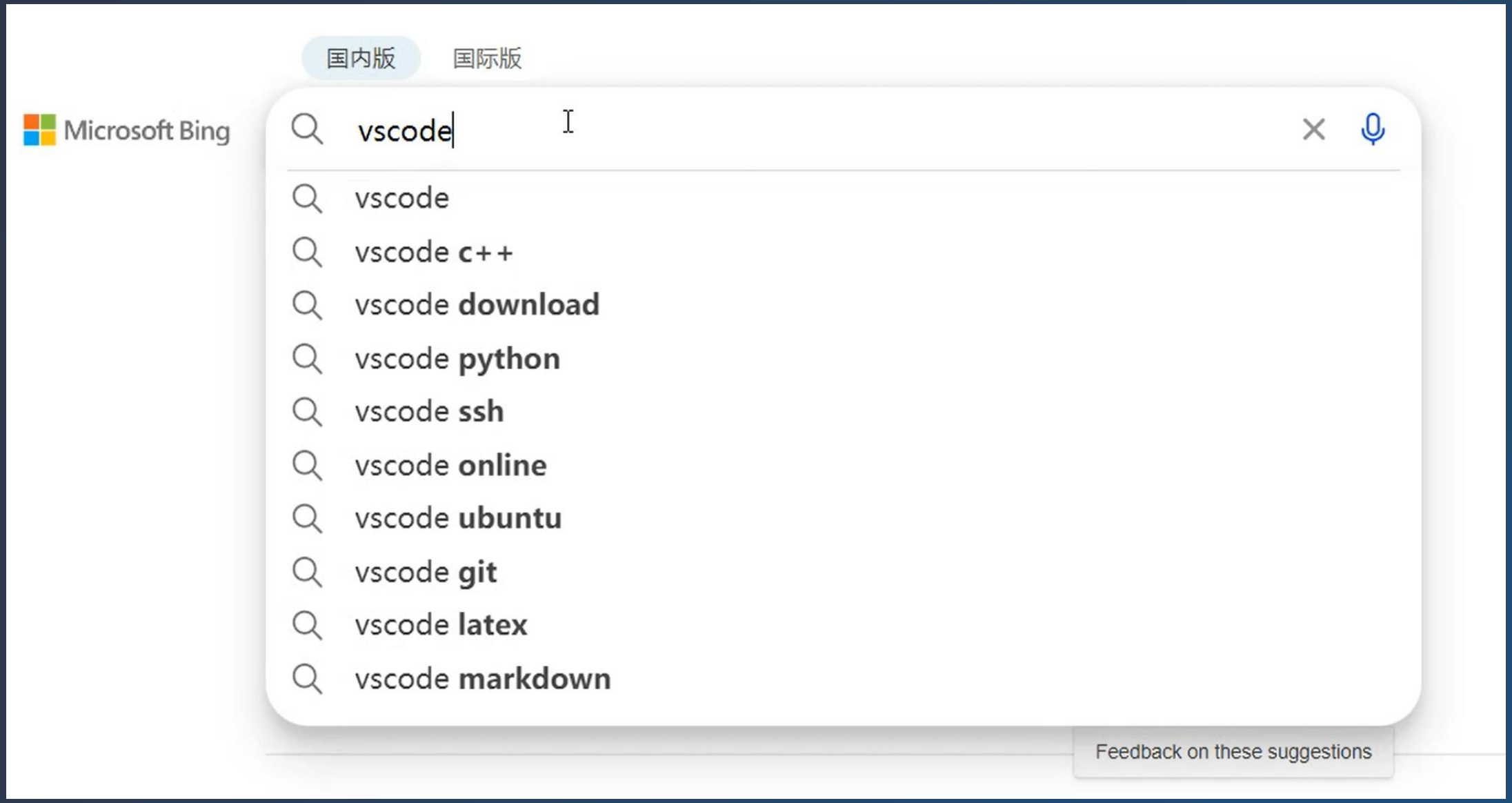

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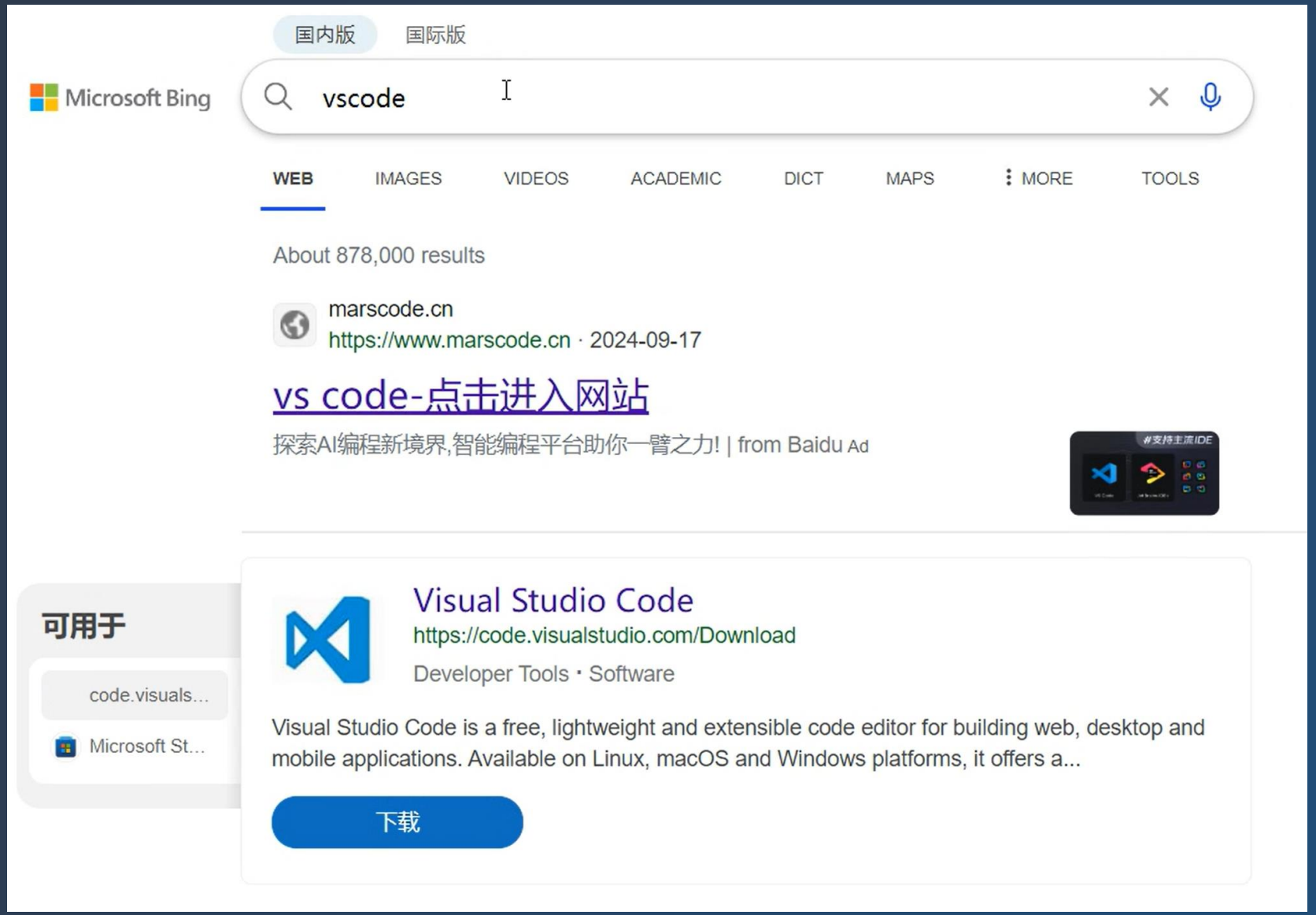

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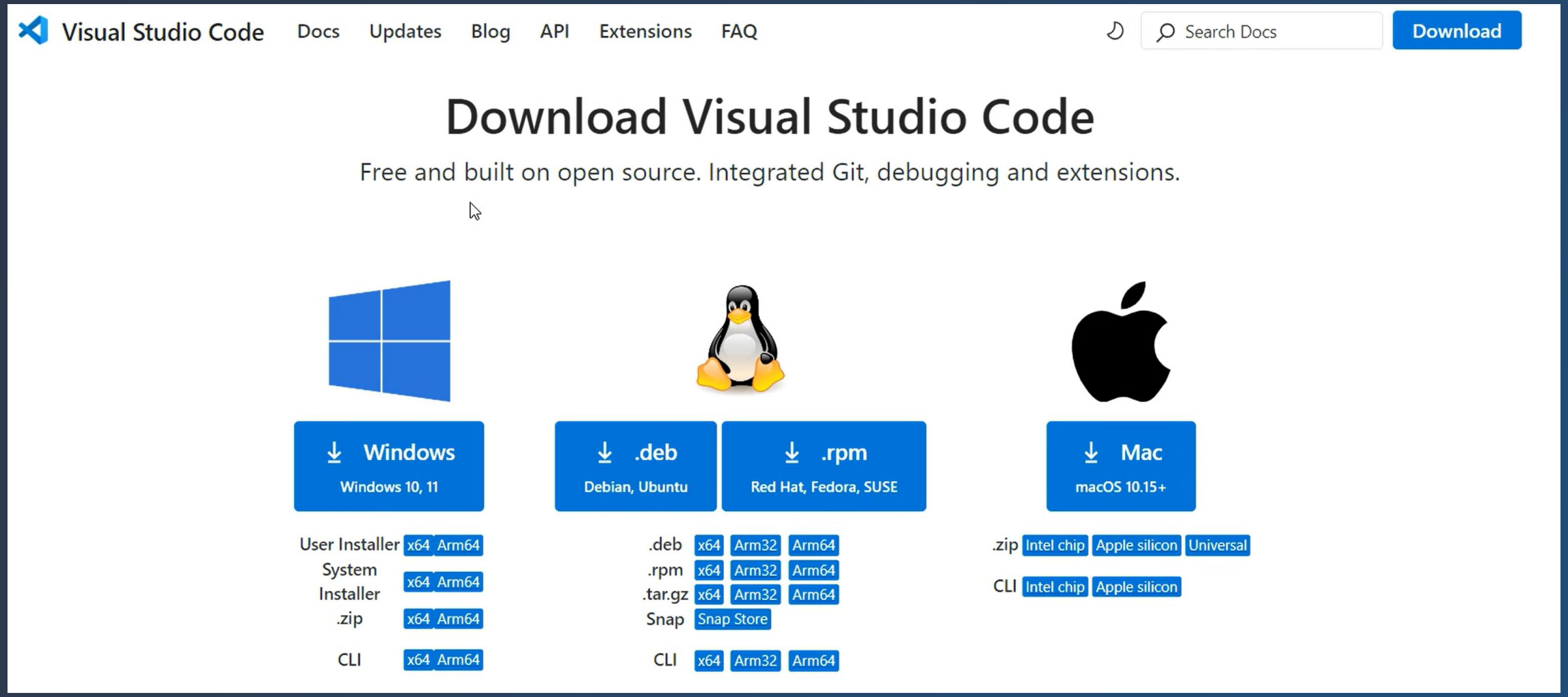

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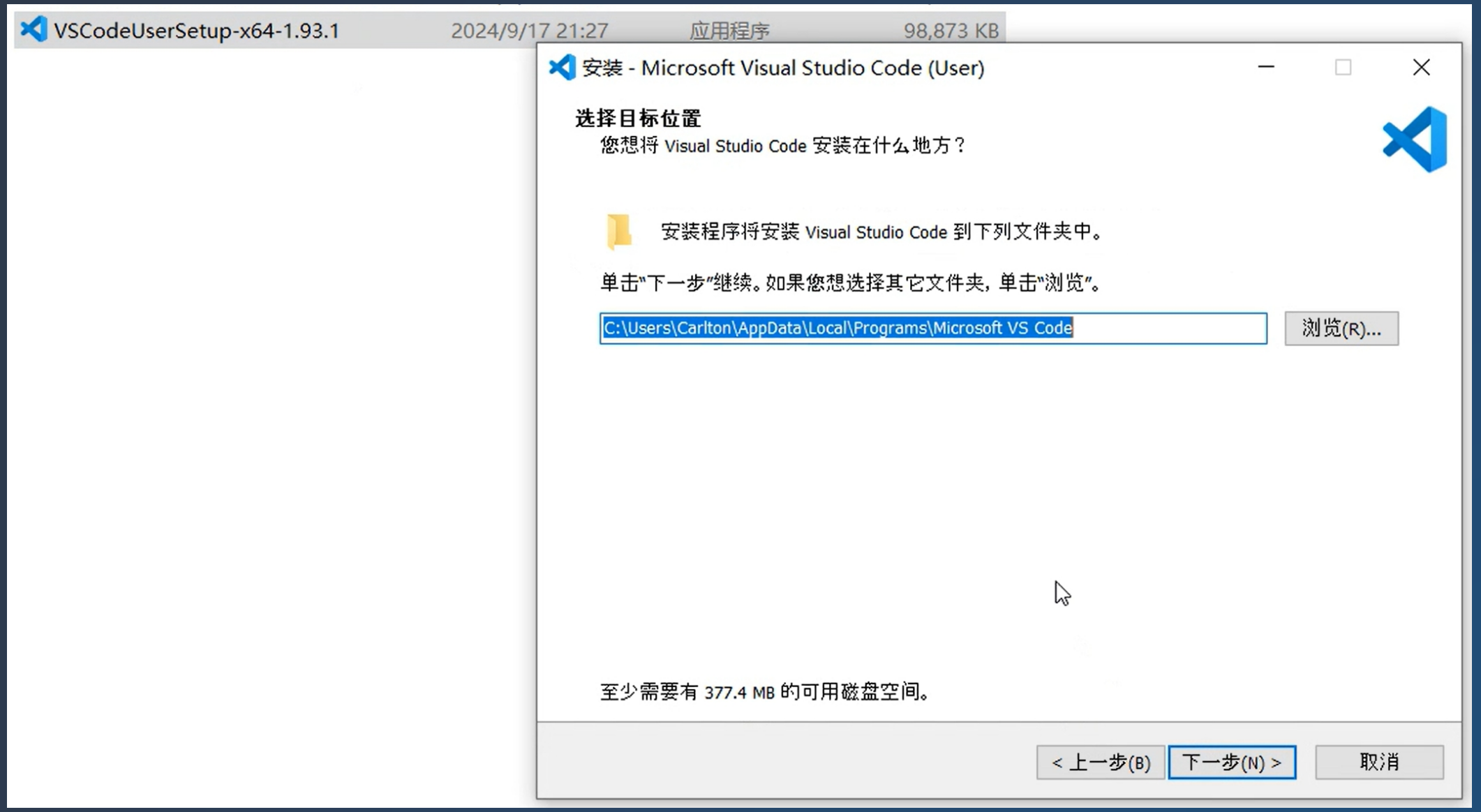
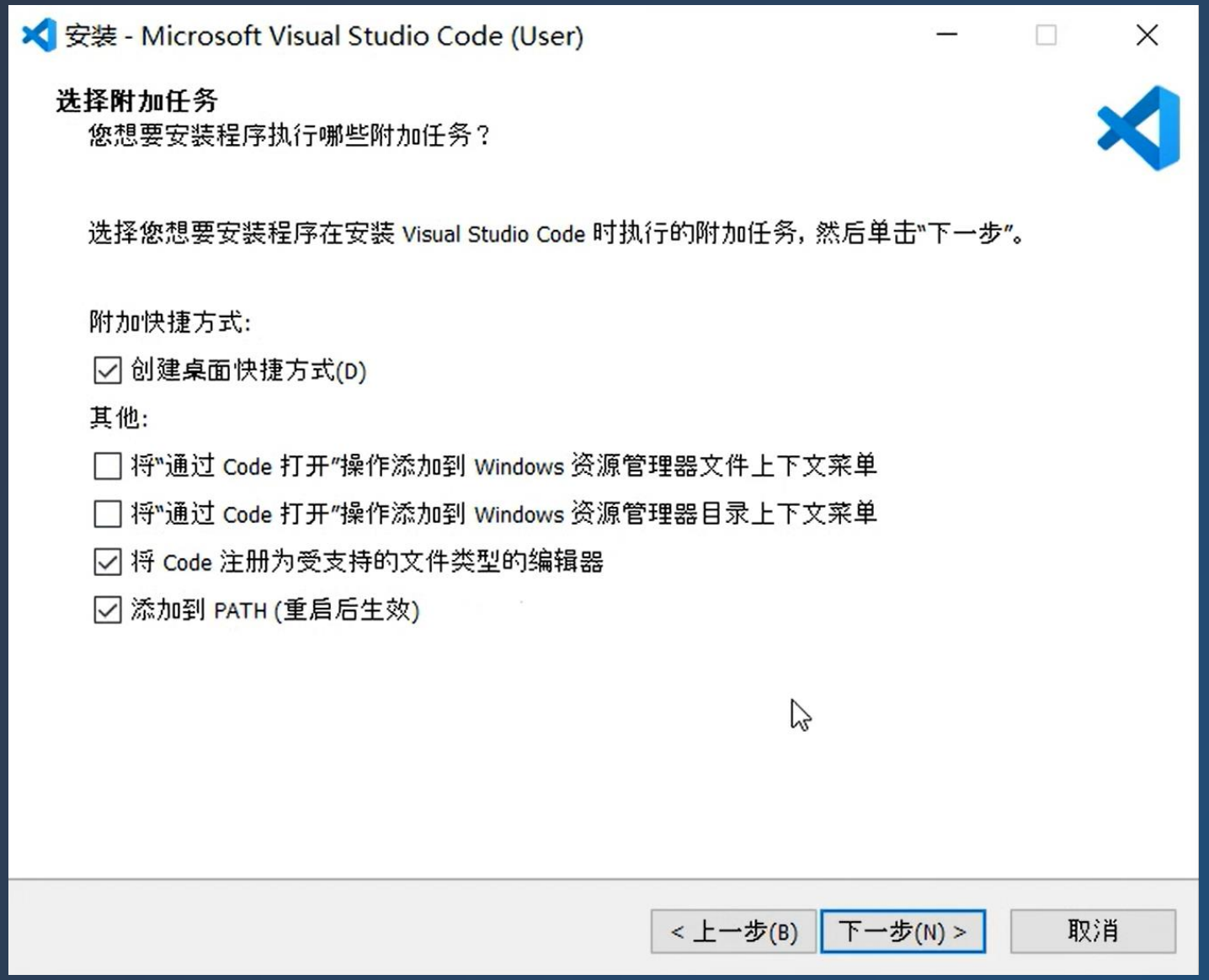
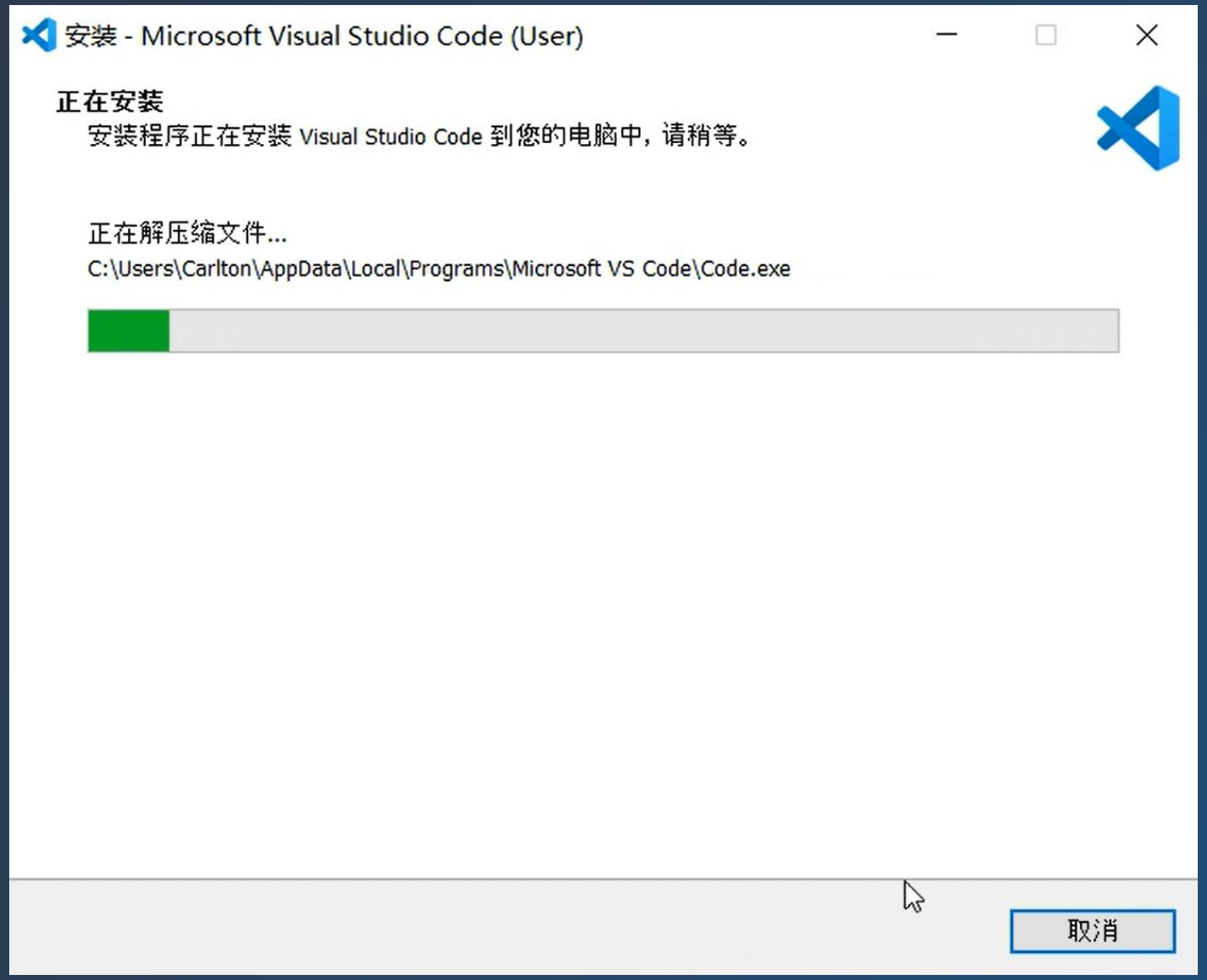

VSCodeUserSetup-x64-1.93.1
2024/9/17 21:27
应用程序
98,873 KB
安装 - Microsoft Visual Studio Code (User)
选择目标位置
您想将 Visual Studio Code 安装在什么地方？
安装程序将安装 Visual Studio Code 到下列文件夹中。
单击"下一步"继续。如果您想选择其它文件夹，单击"浏览"。
C:\Users\Carlton\AppData\Local\Programs\Microsoft VS Code
浏览(R)...
至少需要有 377.4 MB 的可用磁盘空间。
< 上一步(B)
下一步(N) >
取消

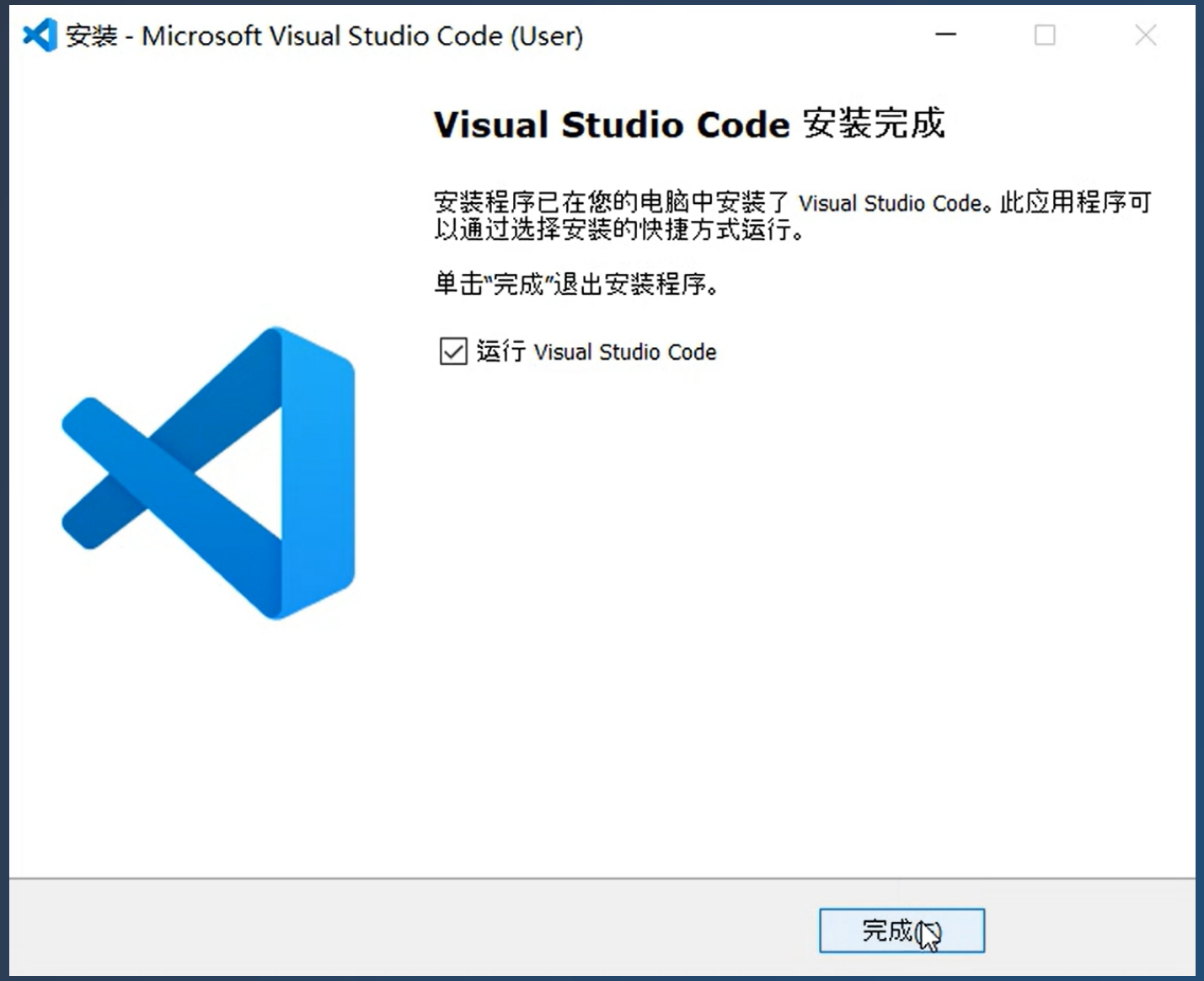
2.下载安装


安装 - Microsoft Visual Studio Code (User)
选择附加任务
您想要安装程序执行哪些附加任务？
选择您想要安装程序在安装 Visual Studio Code 时执行的附加任务，然后单击"下一步"。
附加快捷方式:
创建桌面快捷方式(D)
其他:
将"通过 Code 打开"操作添加到 Windows 资源管理器文件上下文菜单
将"通过 Code 打开"操作添加到 Windows 资源管理器目录上下文菜单
将 Code 注册为受支持的文件类型的编辑器
添加到 PATH (重启后生效)
< 上一步(B)
下一步(N) >
取消

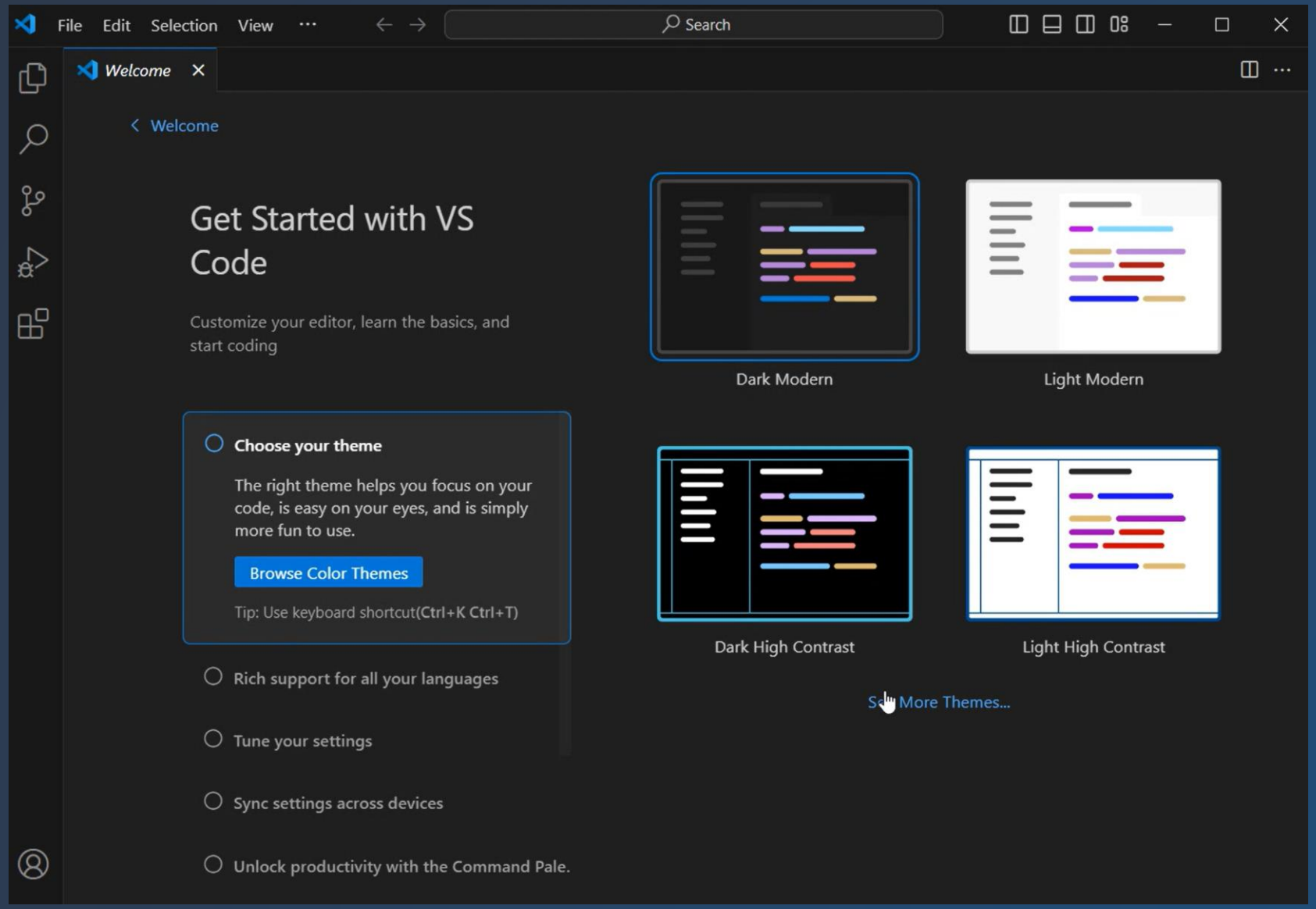
2.下载安装


安装 - Microsoft Visual Studio Code (User)
正在安装
安装程序正在安装 Visual Studio Code 到您的电脑中，请稍等。
正在解压缩文件...
C:\Users\Carlton\AppData\Local\Programs\Microsoft VS Code\Code.exe
取消

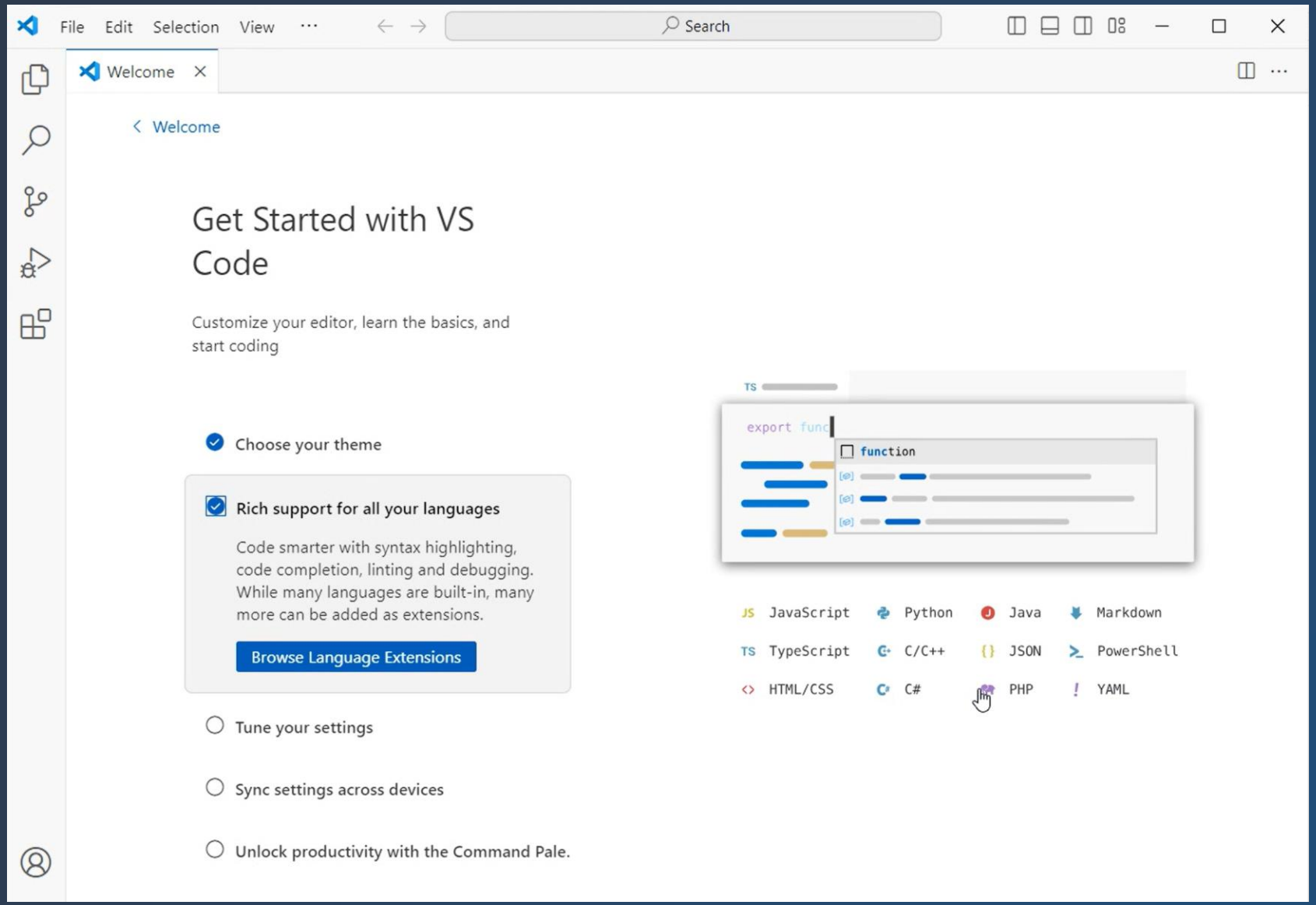
2.下载安装


安装 - Microsoft Visual Studio Code (User)
Visual Studio Code 安装完成
安装程序已在您的电脑中安装了 Visual Studio Code。此应用程序可以通过选择安装的快捷方式运行。
单击"完成"退出安装程序。
运行 Visual Studio Code
完成

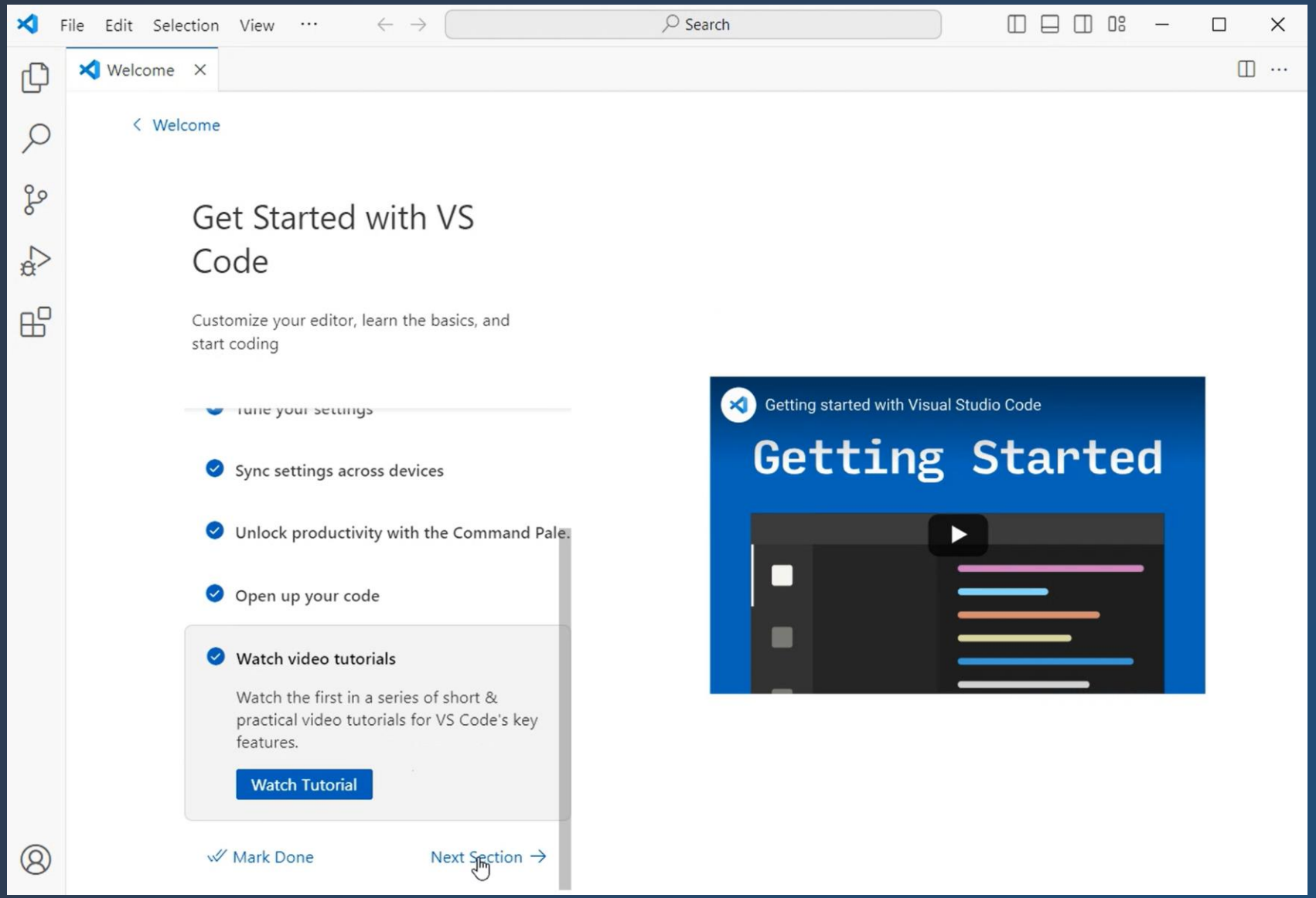
3.启动VScode


File
Edit
Selection
View
Search
Welcome
Welcome
Get Started with VS Code
Customize your editor, learn the basics, and start coding
Dark Modern
Light Modern
Choose your theme
The right theme helps you focus on your code, is easy on your eyes, and is simply more fun to use.
Browse Color Themes
Tip: Use keyboard shortcut(Ctrl+K Ctrl+T)
Dark High Contrast
Light High Contrast
Rich support for all your languages
Tune your settings
Sync settings across devices
Unlock productivity with the Command Pale.
More Themes...

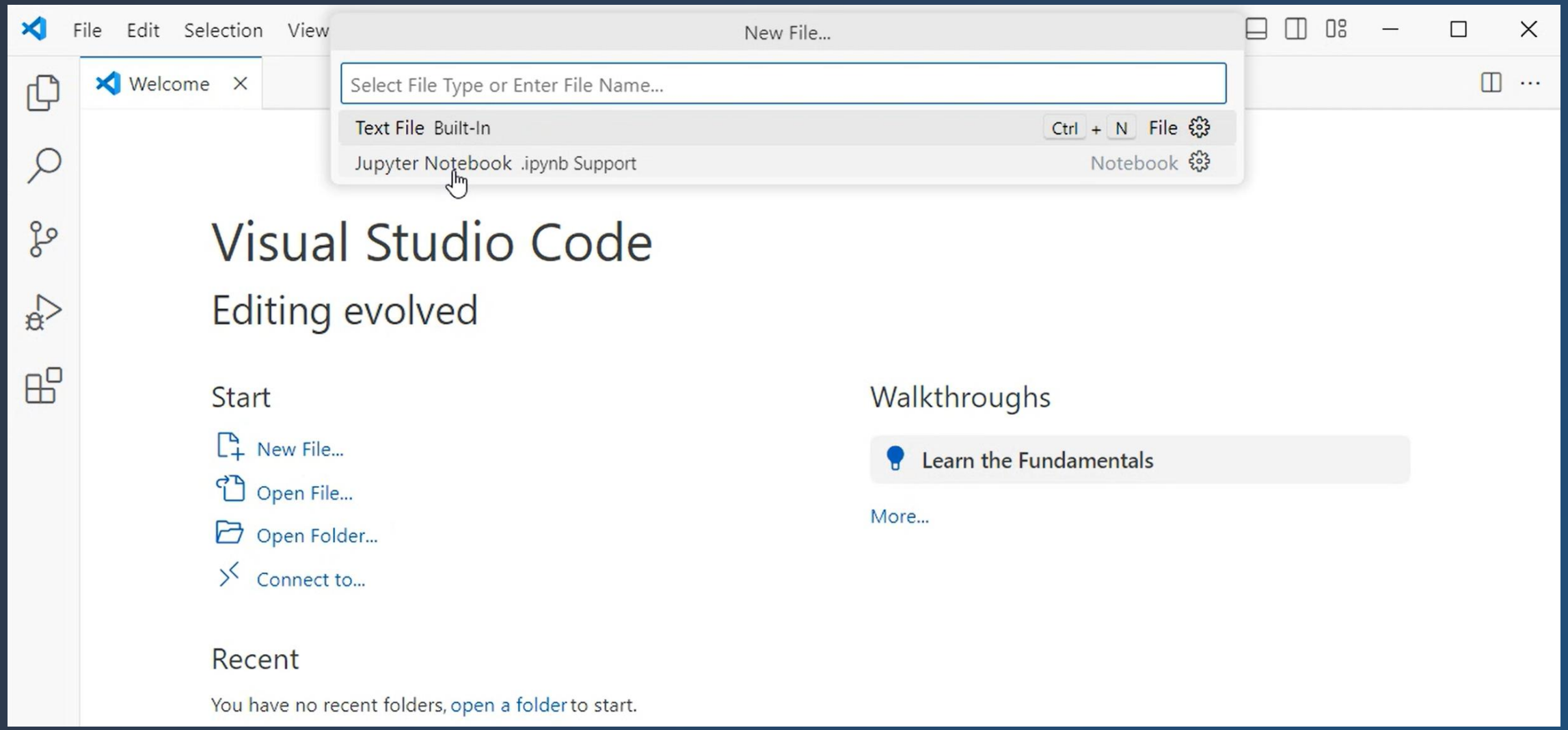
3.启动VScode


File
Edit
Selection
View
Search
Welcome
Welcome
Get Started with VS Code
Customize your editor, learn the basics, and start coding
Choose your theme
Rich support for all your languages
Code smarter with syntax highlighting, code completion, linting and debugging. While many languages are built-in, many more can be added as extensions.
Browse Language Extensions
Tune your settings
Sync settings across devices
Unlock productivity with the Command Pale.
JavaScript
Python
Java
Markdown
TypeScript
C/C++
JSON
PowerShell
HTML/CSS
C#
PHP
YAML

3.启动VScode

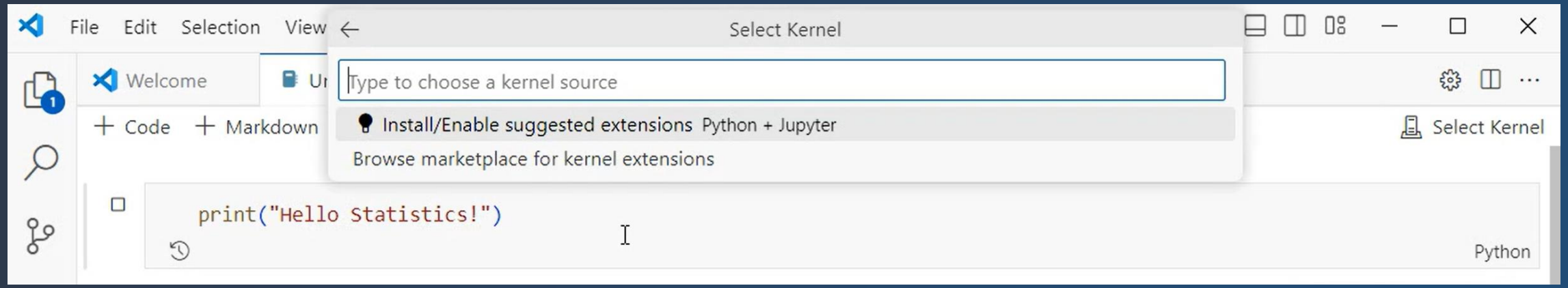

File
Edit
Selection
View
Search
Welcome
Welcome
Get Started with VS Code
Customize your editor, learn the basics, and start coding
Sync settings across devices
Unlock productivity with the Command Pale.
Open up your code
Watch video tutorials
Watch the first in a series of short & practical video tutorials for VS Code's key features.
Watch Tutorial
Mark Done
Next Section
Getting started with Visual Studio Code
Getting Started

4.运行Jupyter Notebook

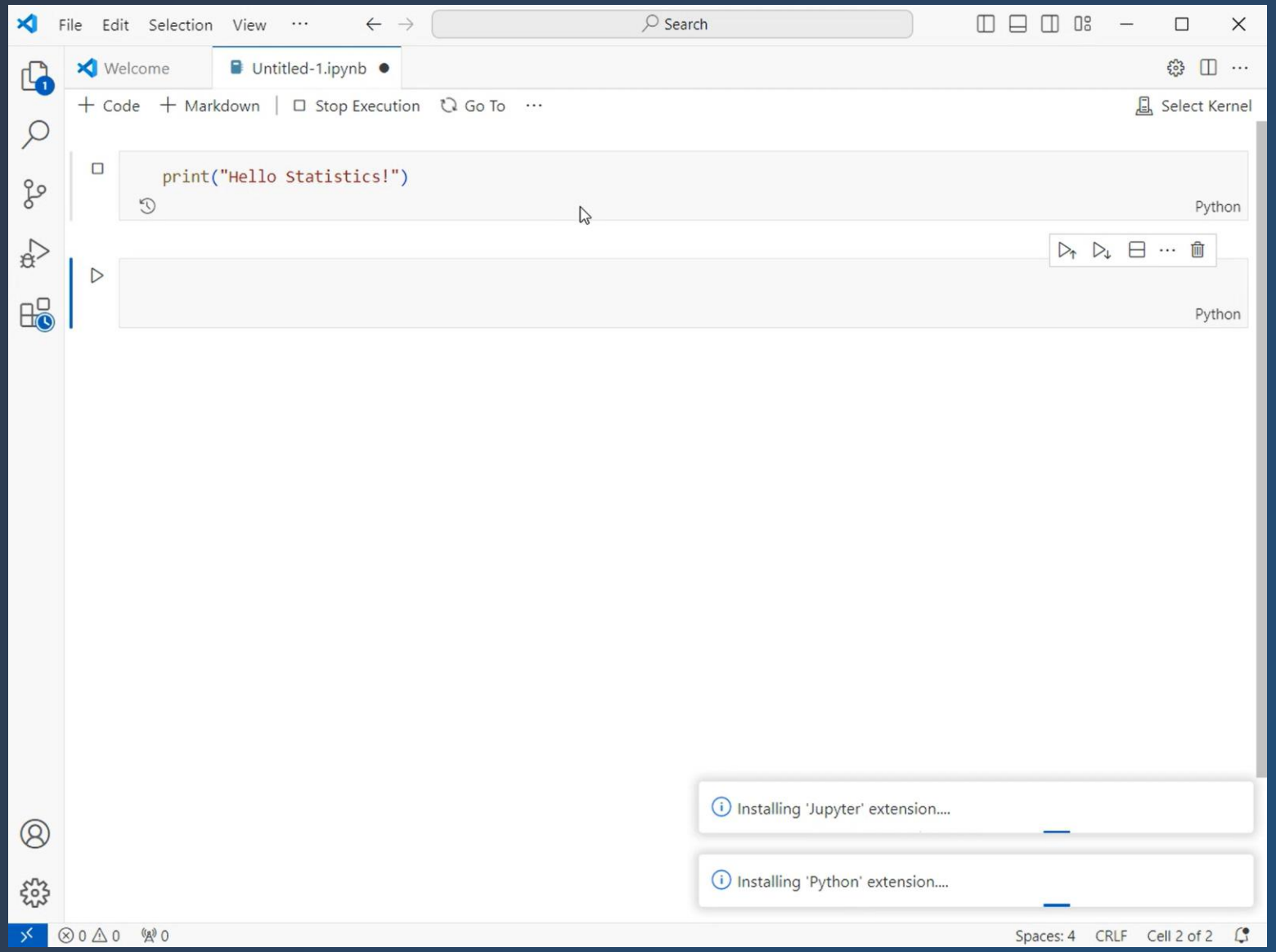


4.运行Jupyter Notebook

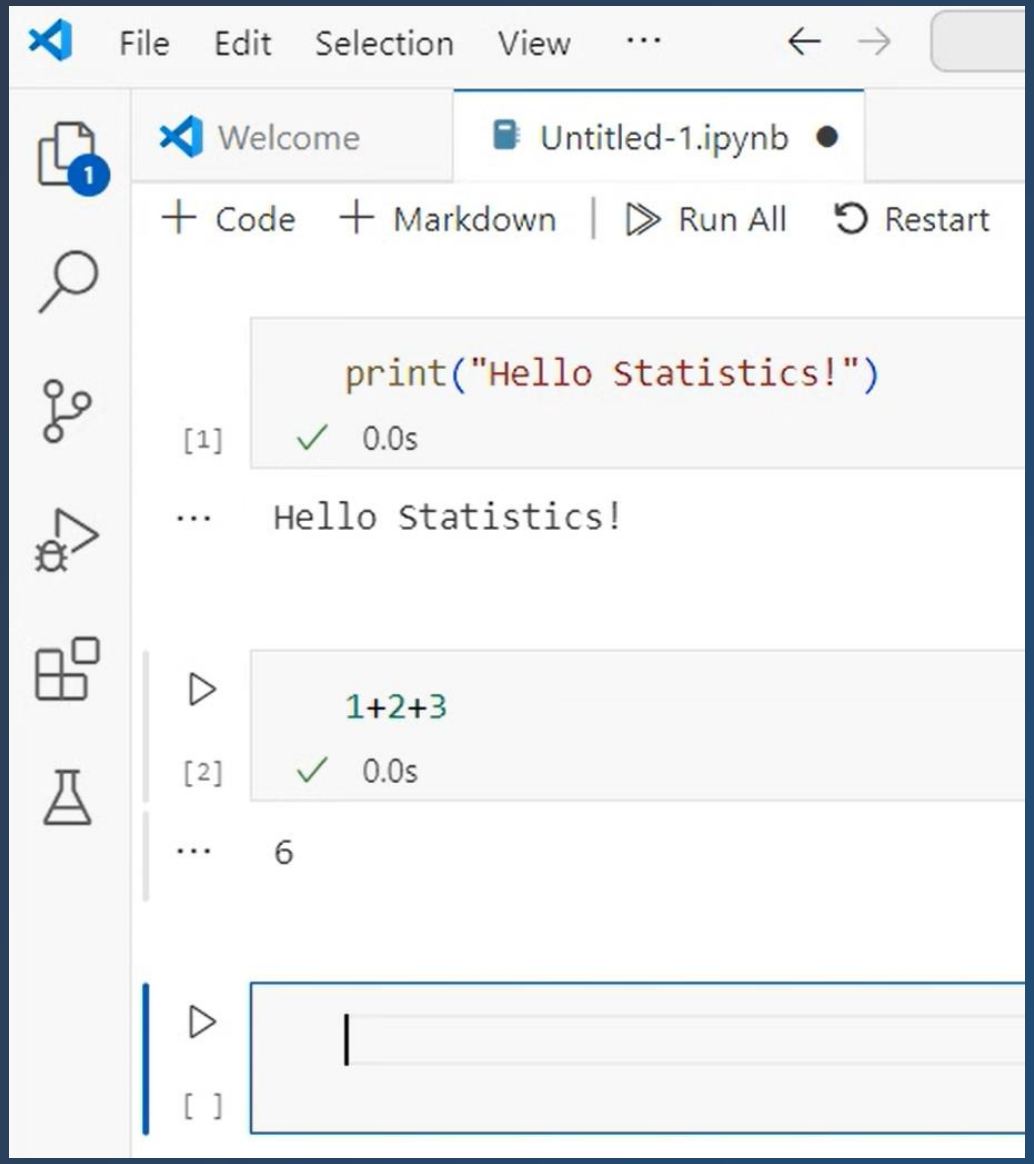
首次运行程序，自动安装Jupyter、Python插件



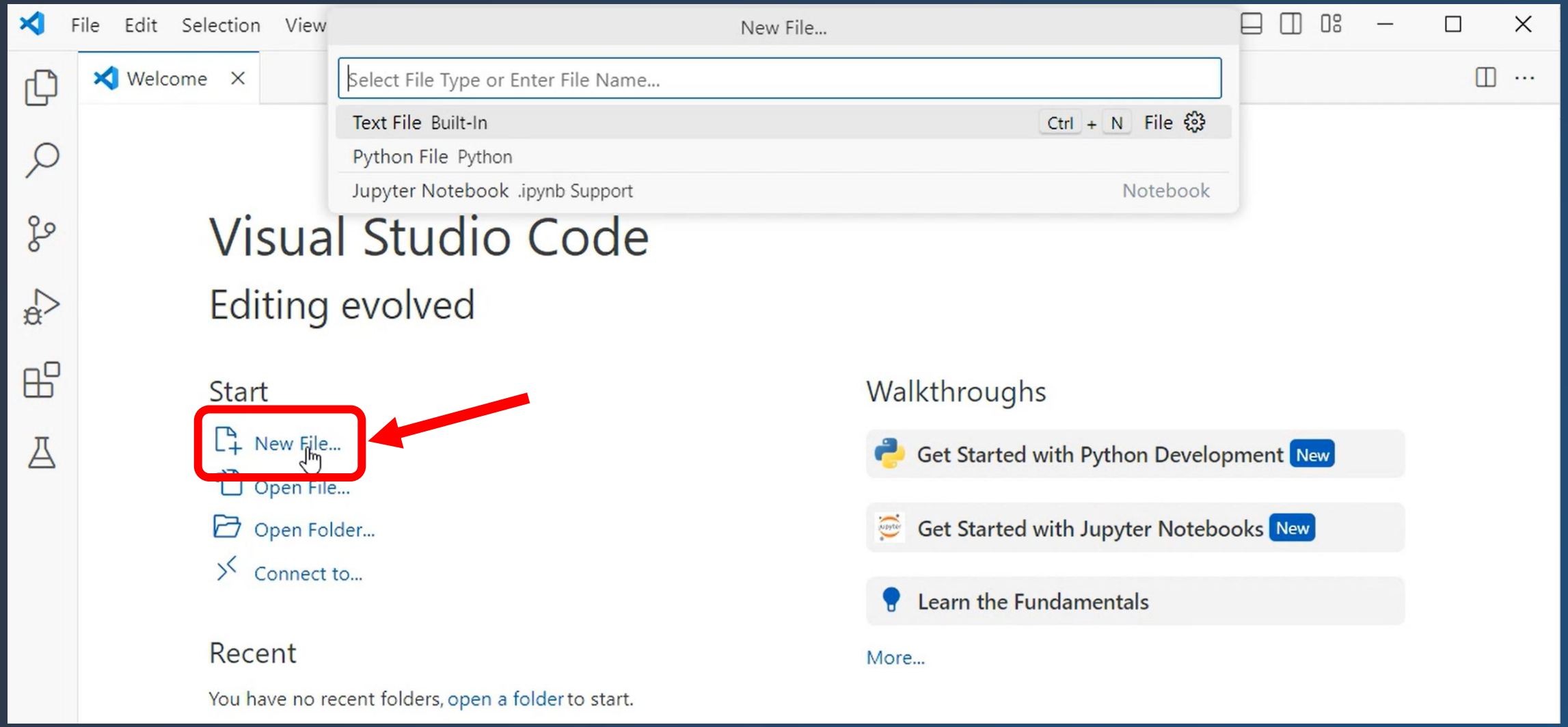
4.运行Jupyter Notebook



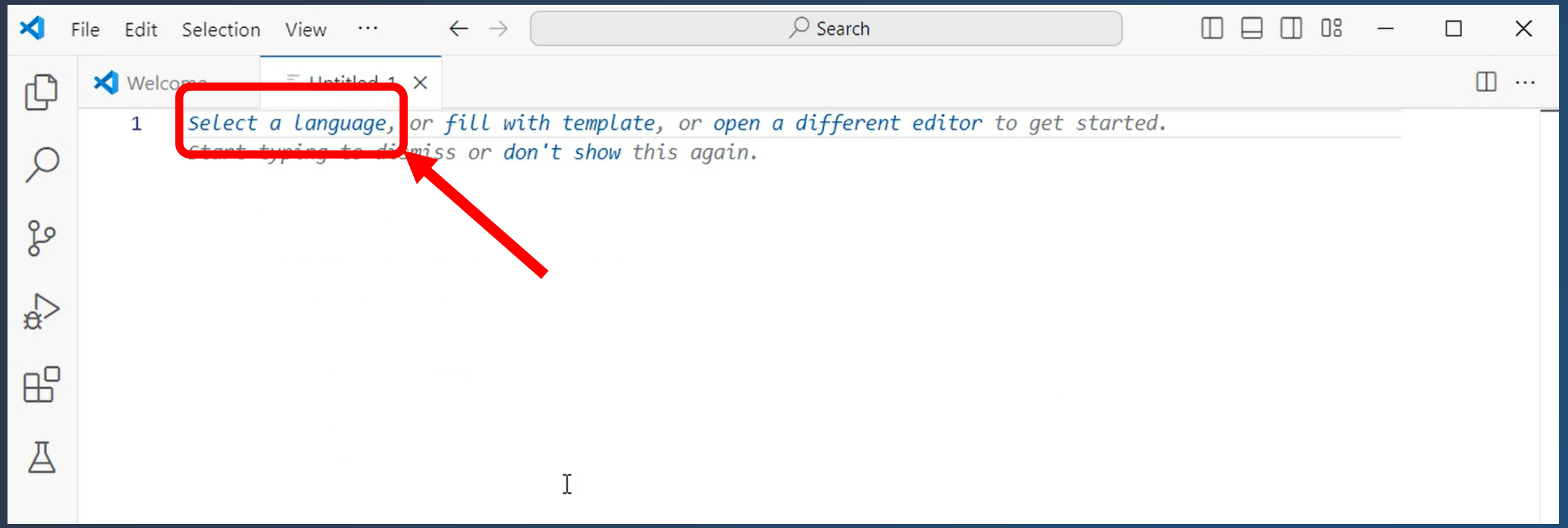
4.运行Jupyter Notebook



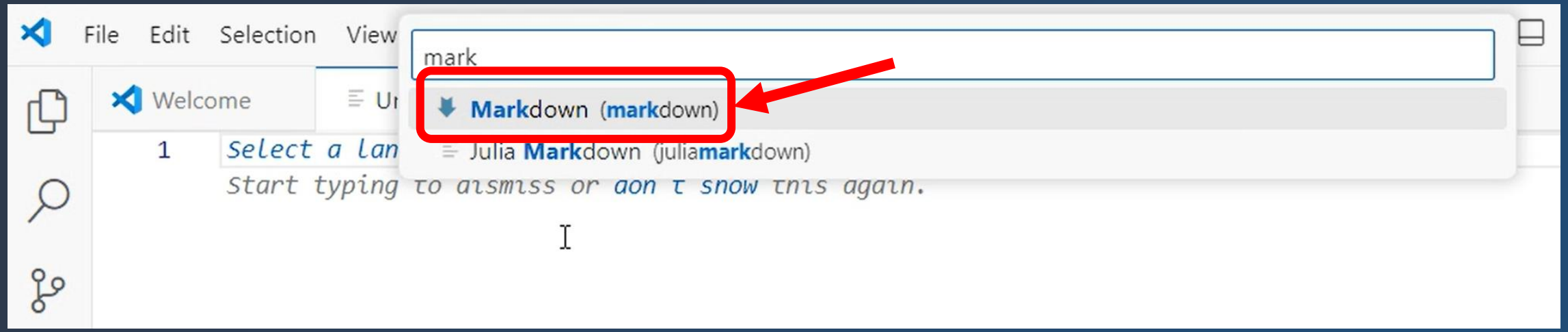
5.运行Markdown



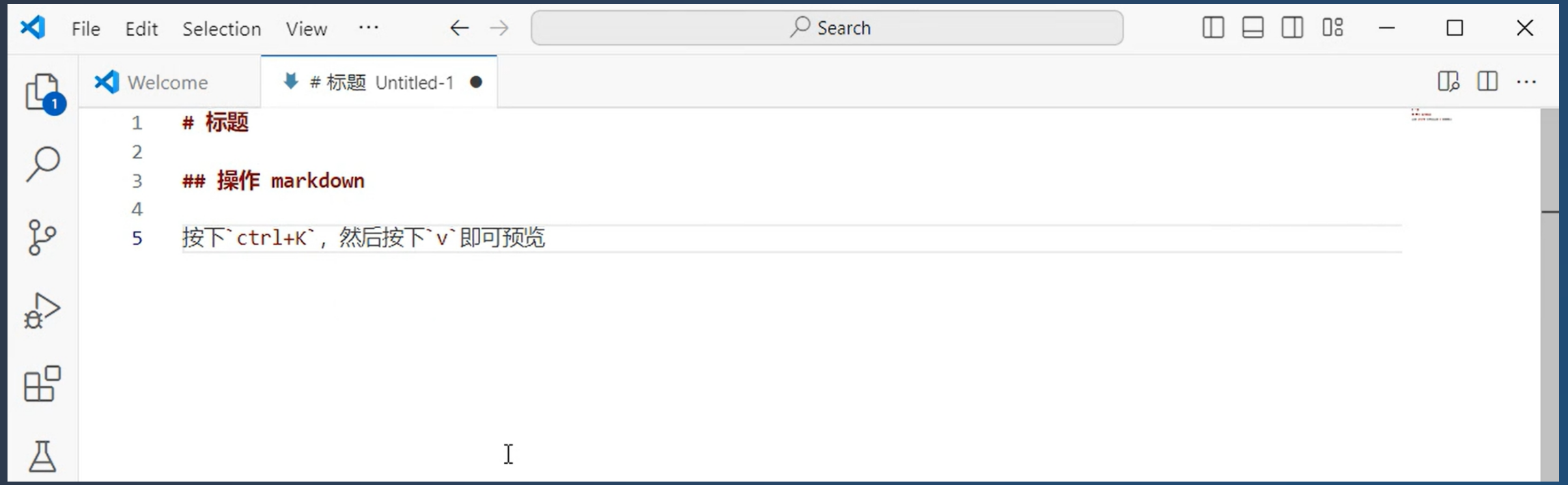
5.运行Markdown



5.运行Markdown



5.运行Markdown



5.运行Markdown