



PYTHON BOOTCAMP

www.jomhack.com

INSTALLATION



- Python (python.org/downloads/)
- NodeJS (nodejs.org/en/download/)
- VSCode (code.visualstudio.com/download)
- Gemini CLI (github.com/google-gemini/gemini-cli)

PYTHON



1. Select your respective Operating System(Windows/mac)



[HTTPS://WWW.PYTHON.ORG/DOWNLOADS/RELEASE/PYTHON-31210/](https://www.python.org/downloads/release/python-31210/)

PYTHON



2. Select Python 3.12.10 [Major.Minor.Micro]

- [Python 3.12.10 - April 8, 2025](#)

Note that Python 3.12.10 cannot be used on Windows 7 or earlier.

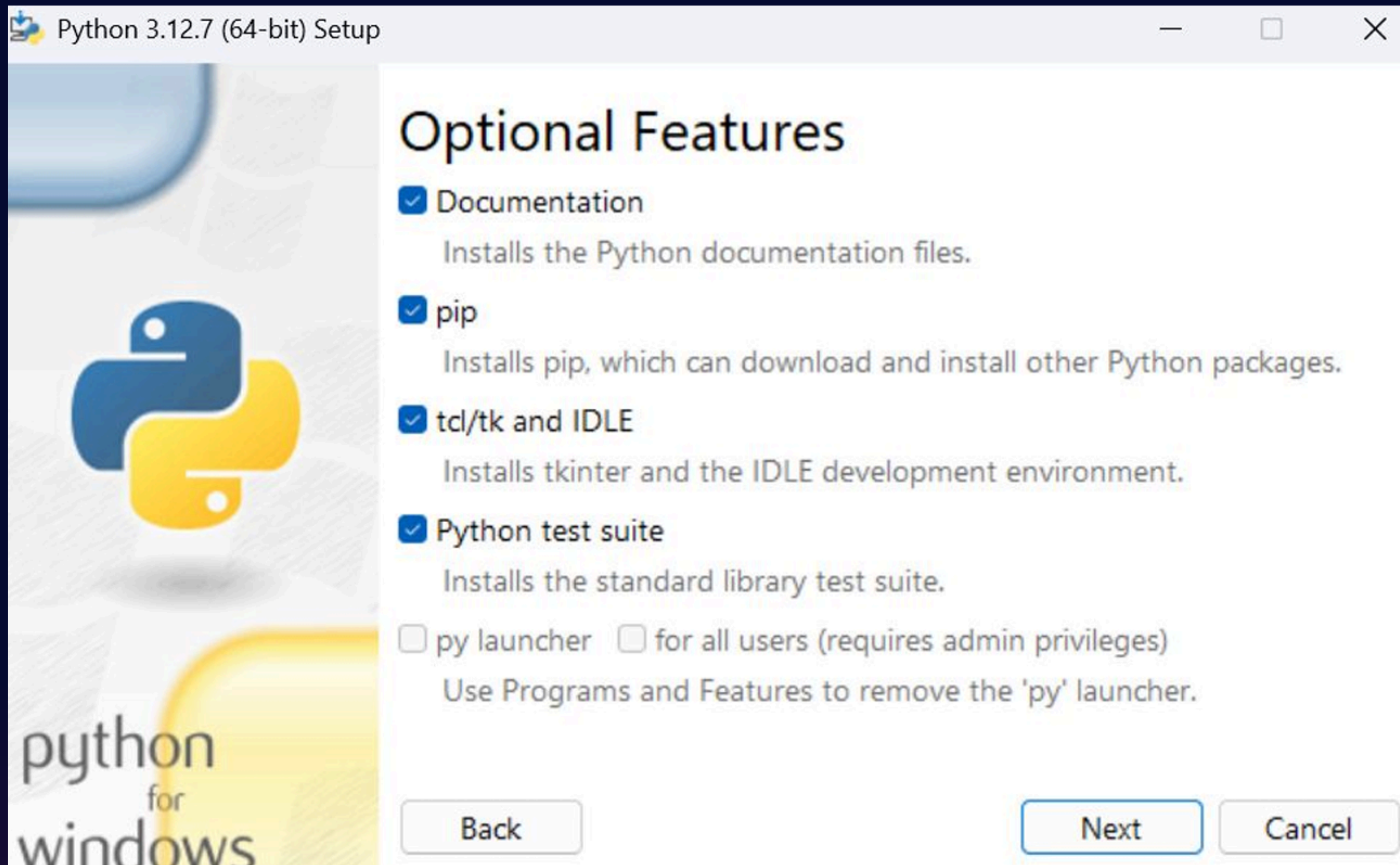
- Download [Windows installer \(64-bit\)](#)
- Download [Windows installer \(32-bit\)](#)
- Download [Windows installer \(ARM64\)](#)
- Download [Windows embeddable package \(64-bit\)](#)
- Download [Windows embeddable package \(32-bit\)](#)
- Download [Windows embeddable package \(ARM64\)](#)

3. Select package according to your device bit(64/32) for Windows

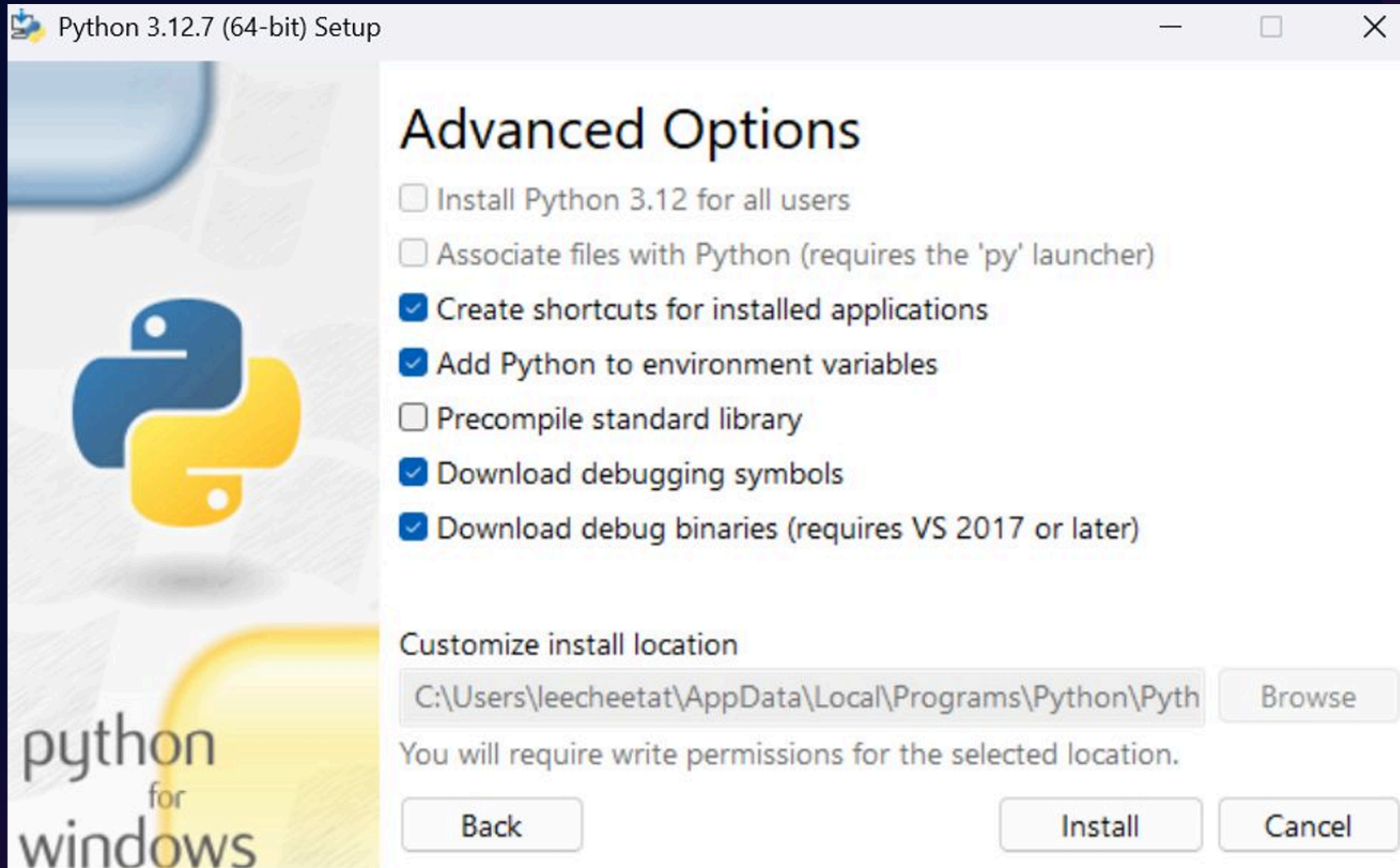
Files

Version	Operating System	Description	MD5 Sum	File Size	GPG	Sigstore	SBOM
Gzipped source tarball	Source release		35c03f014408e26e2b06d576c19cac54	25.9 MB	SIG	.sigstore	SPDX
XZ compressed source tarball	Source release		0c0a6cce86d7611aed691d61e0599de0	19.6 MB	SIG	.sigstore	SPDX
macOS 64-bit universal2 installer	macOS	for macOS 10.13 and later	8f4989592c9412e51fcad70273442c22	43.6 MB	SIG	.sigstore	
Windows installer (64-bit)	Windows	Recommended	5eddb0b6f12c852725de071ae681dde4	25.7 MB	SIG	.sigstore	SPDX
Windows installer (32-bit)	Windows		ff3e7e2582811ade44916d9c3d2a64b2	24.5 MB	SIG	.sigstore	SPDX
Windows installer (ARM64)	Windows	Experimental	37df52717faa6c514342b8d43cae7026	25.0 MB	SIG	.sigstore	SPDX
Windows embeddable package (64-bit)	Windows		fe8ef205f2e9c3ba44d0cf9954e1abd3	10.6 MB	SIG	.sigstore	SPDX
Windows embeddable package (32-bit)	Windows		93beb9042be23d7b5cd528fa15e8fea7	9.5 MB	SIG	.sigstore	SPDX
Windows embeddable package (ARM64)	Windows		60ce2b5cb5a4dfcd2873a323ffe541bc	9.9 MB	SIG	.sigstore	SPDX

PYTHON



PYTHON



NODEJS



Windows/macOS

1. Go to <https://nodejs.org/en/download/>
2. Download the LTS version (recommended)

Download Node.js®

Get Node.js® v22.19.0 (LTS) for Windows using Docker with npm

Info Want new features sooner? Get the [latest Node.js version](#) instead and try the latest improvements!

```
1 # Docker has specific installation instructions for each operating system.
2 # Please refer to the official documentation at https://docker.com/get-started/
3
4 # Pull the Node.js Docker image:
5 docker pull node:22-alpine
6
7 # Create a Node.js container and start a Shell session:
8 docker run -it --rm --entrypoint sh node:22-alpine
9
10 # Verify the Node.js version:
11 node -v # Should print "v22.19.0".
12
13 # Verify npm version:
14 npm -v # Should print "10.9.3".
```

PowerShell Copy to clipboard

Docker is a containerization platform. If you encounter any issues please visit [Docker's website](#)

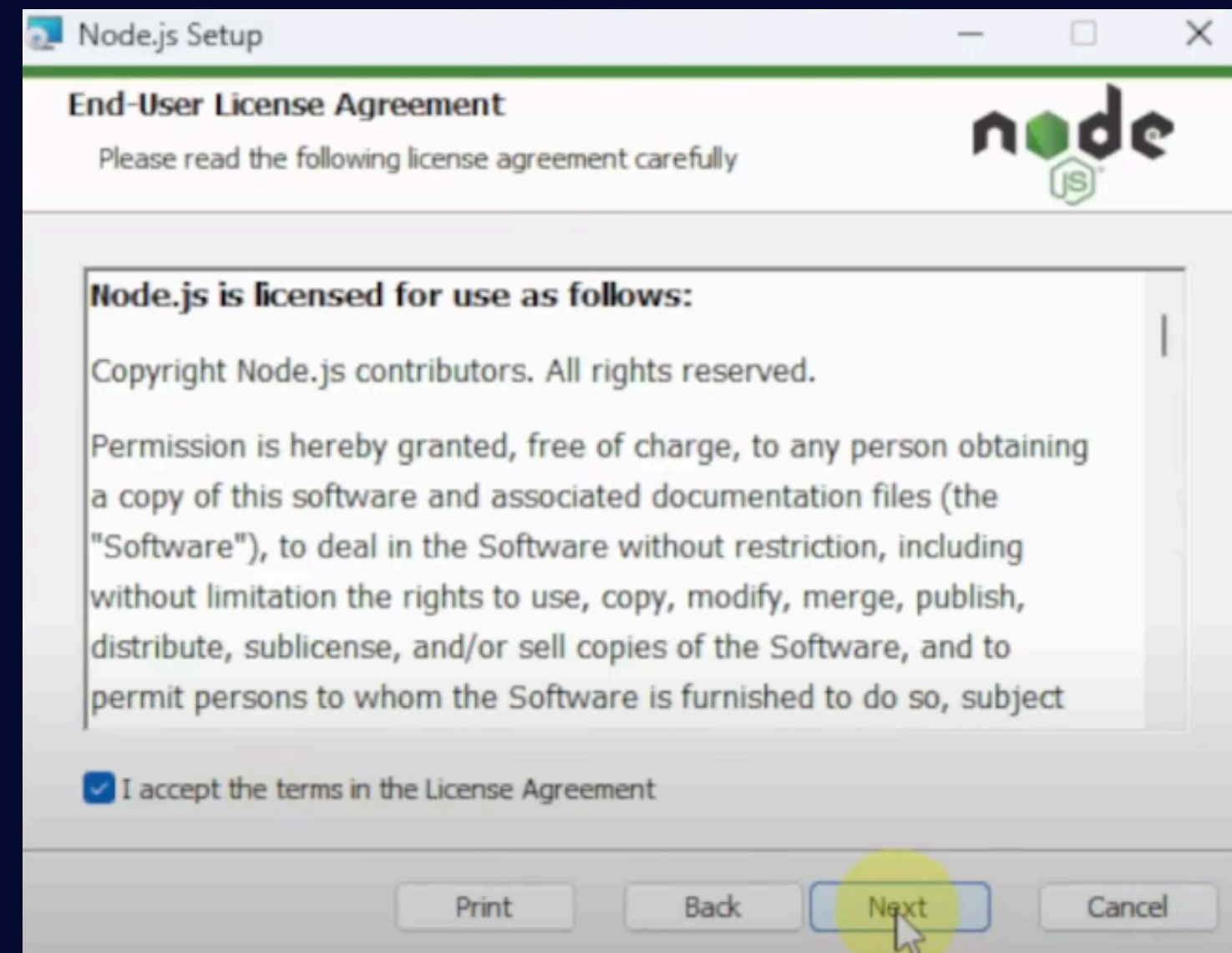
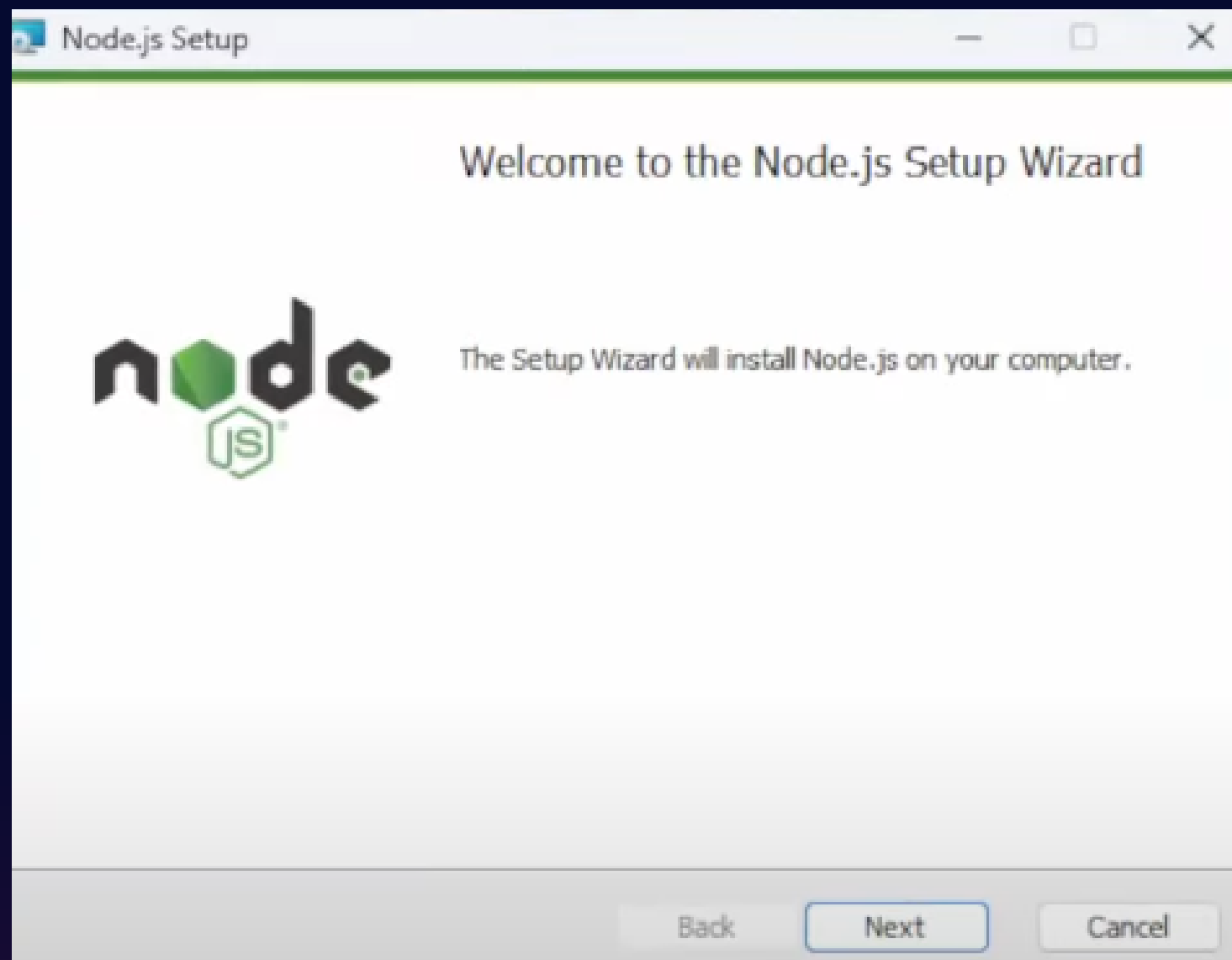
Or get a prebuilt Node.js® for Windows running a x64 architecture.

Windows Installer (.msi) Standalone Binary (.zip)

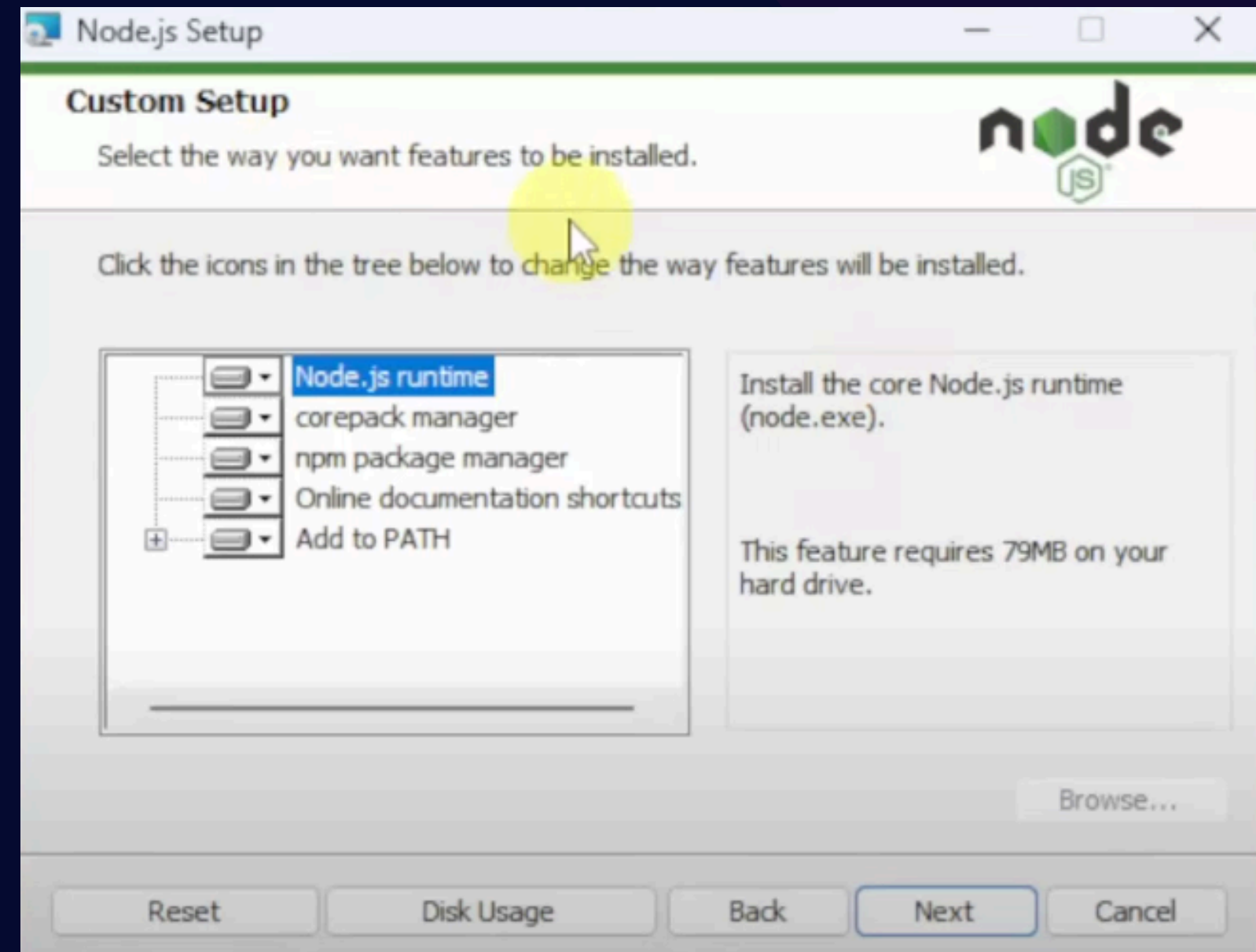
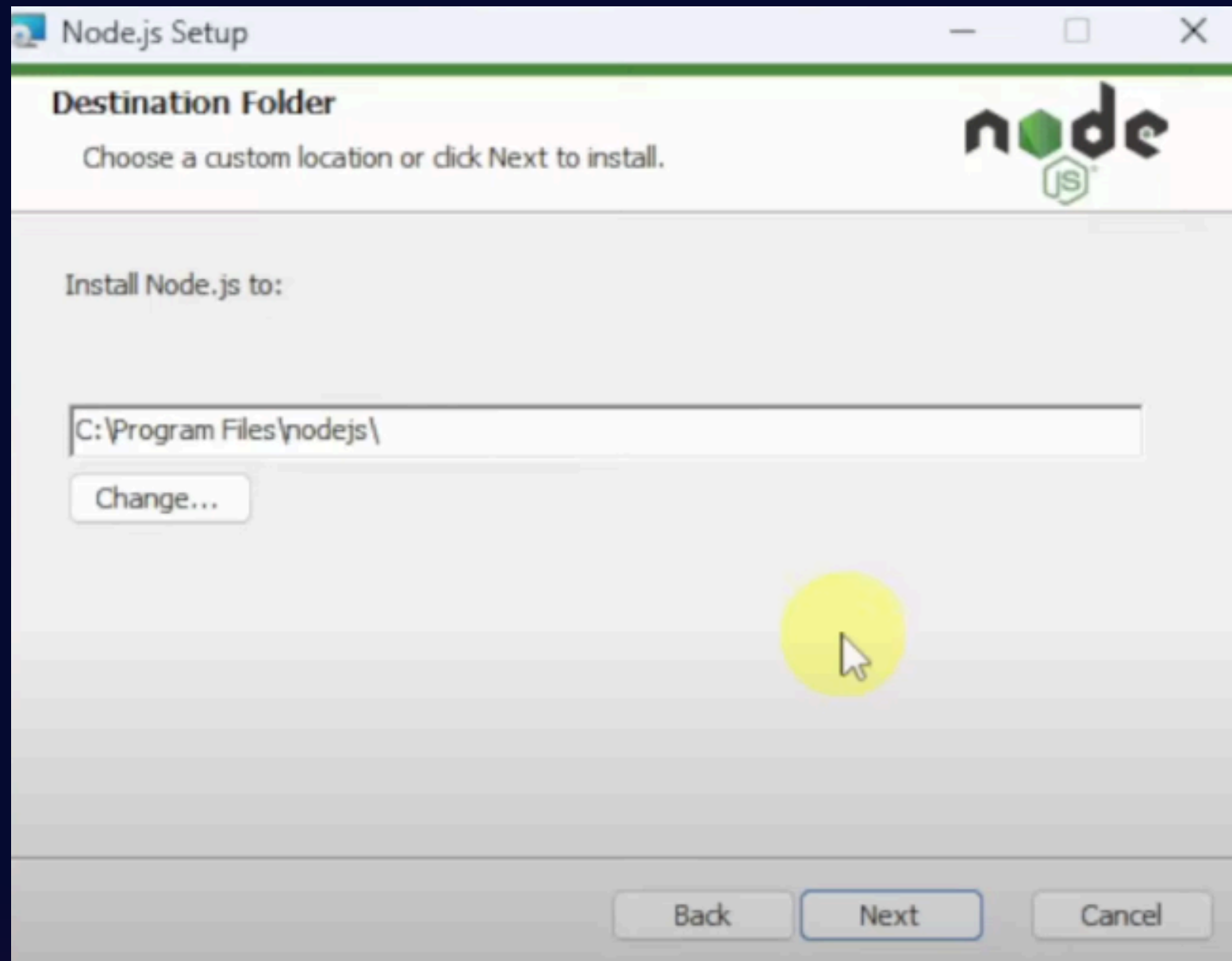
NODEJS

Windows/macOS

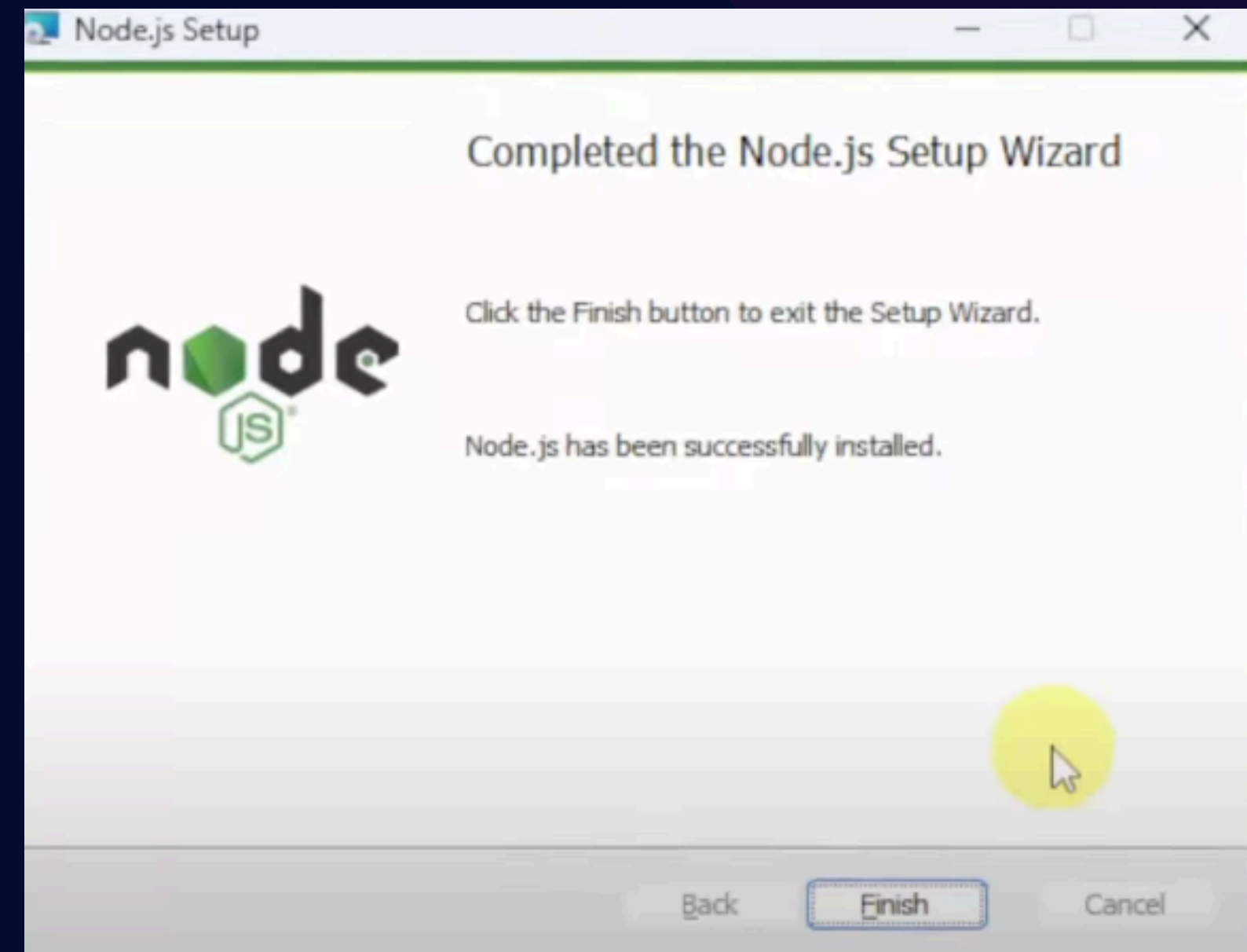
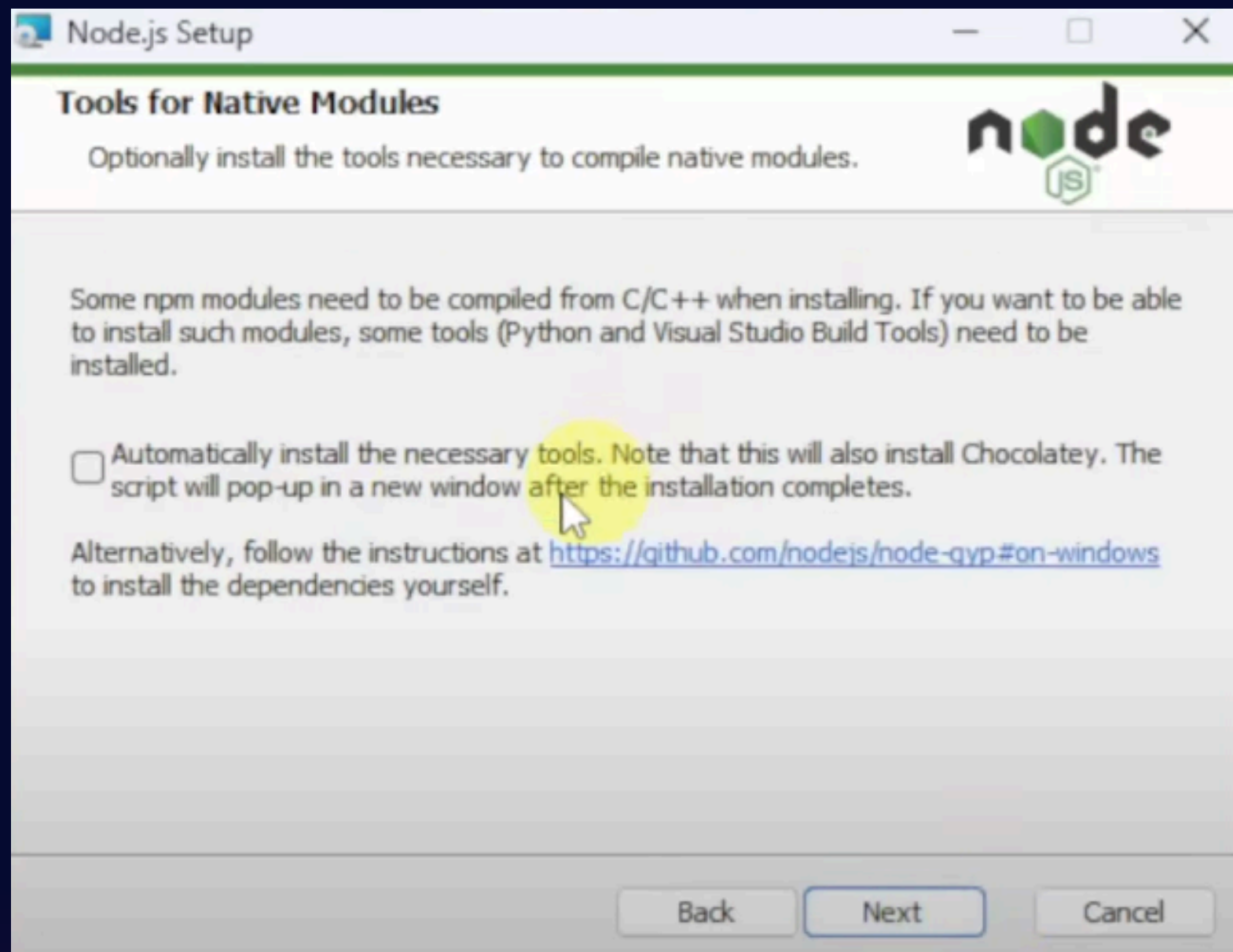
3. Run the installer and follow the setup wizard



NODEJS



NODEJS



NODEJS



Windows/macOS

4. Verify: Open command prompt/terminal and type

- `node --version`
- `npm --version`


VSCODE



1. Go to <https://code.visualstudio.com/download>
2. Click "Download for [Your OS]"


Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.




↓ Windows
Windows 10, 11

User Installer	x64	Arm64
System Installer	x64	Arm64
.zip	x64	Arm64
CLI	x64	Arm64



↓ .deb
Debian, Ubuntu

.deb	x64	Arm32	Arm64
.rpm	x64	Arm32	Arm64
.tar.gz	x64	Arm32	Arm64
Snap	Snap Store		
CLI	x64	Arm32	Arm64

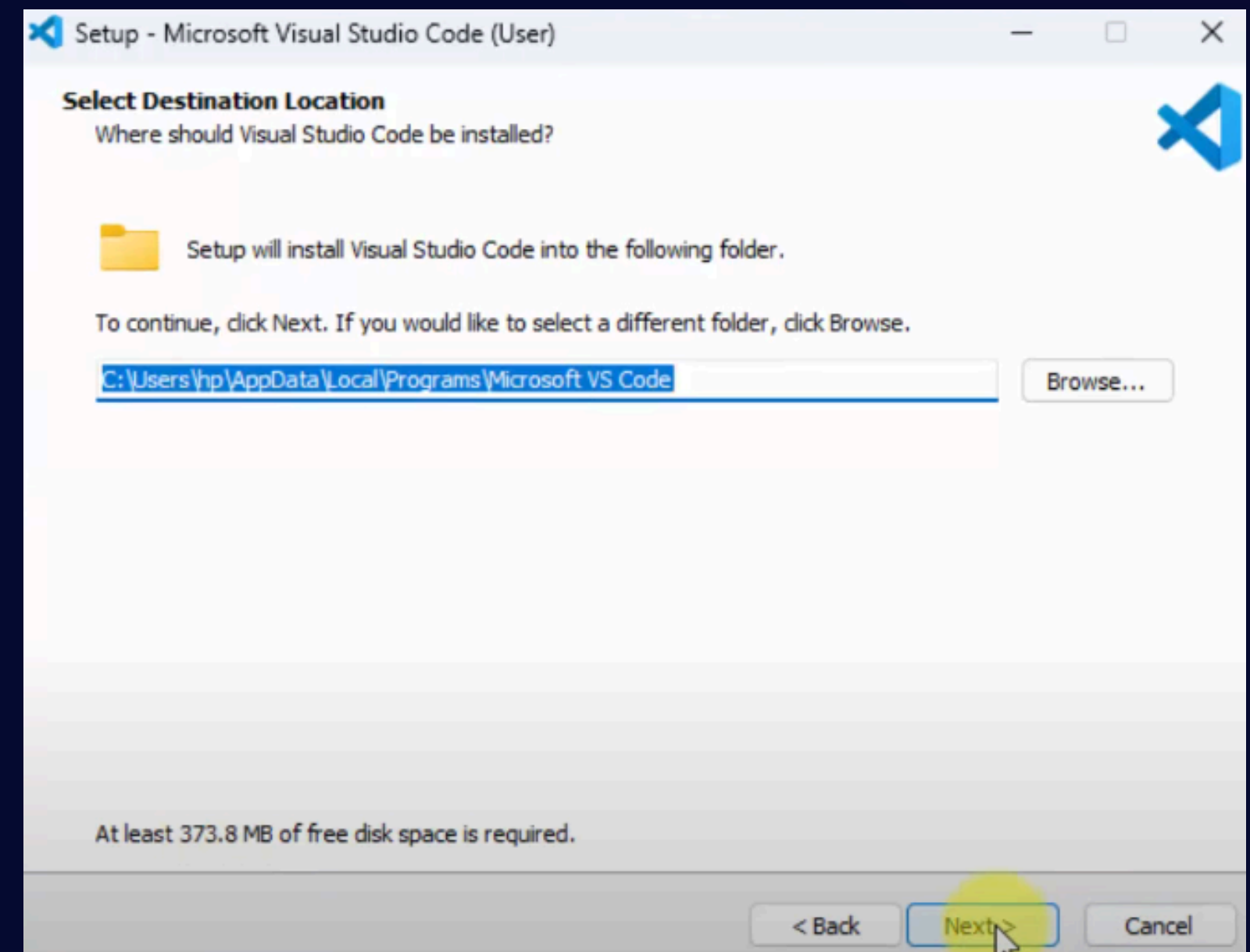
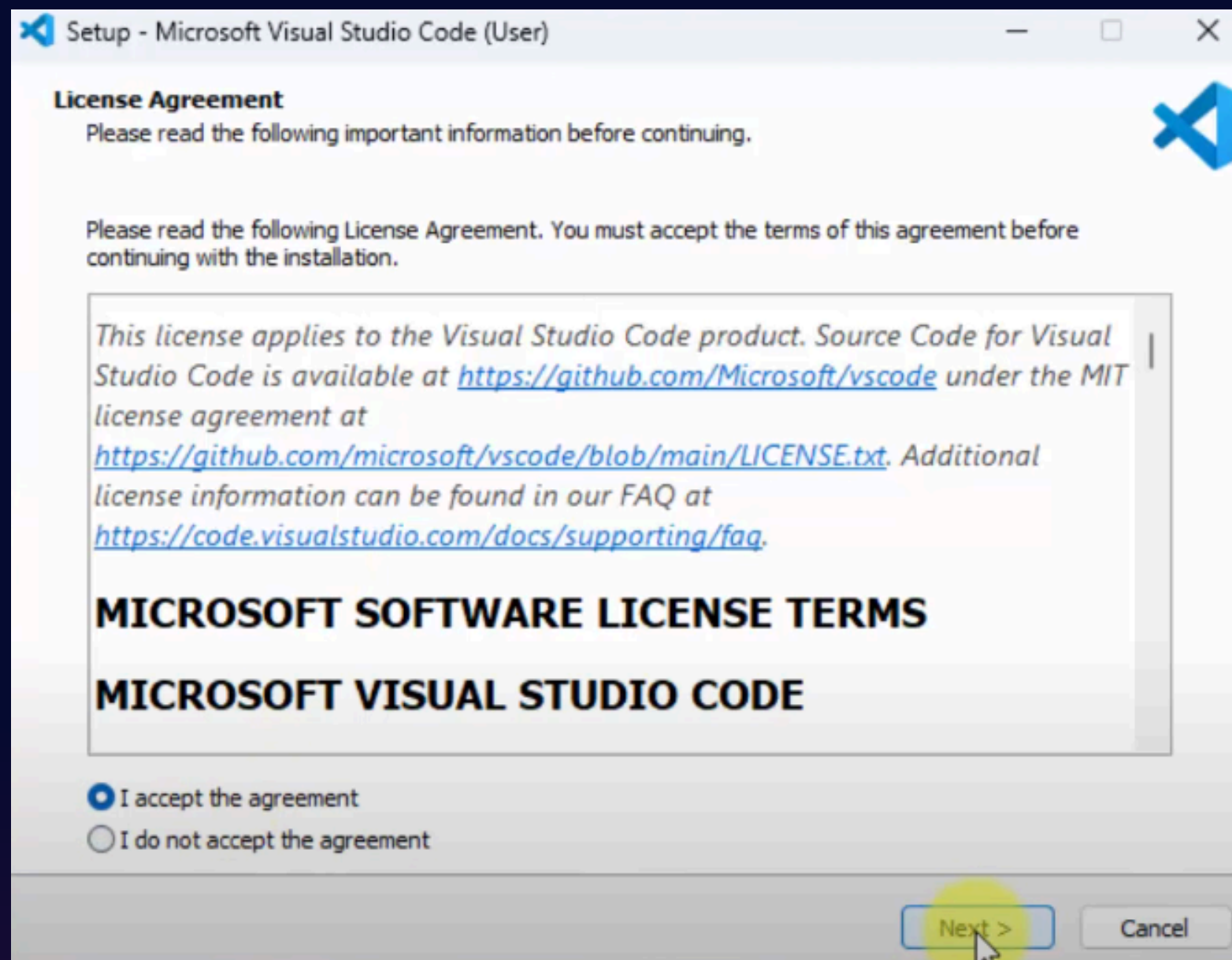


↓ Mac
macOS 11.0+

.zip	Intel chip	Apple silicon	Universal
CLI	Intel chip	Apple silicon	

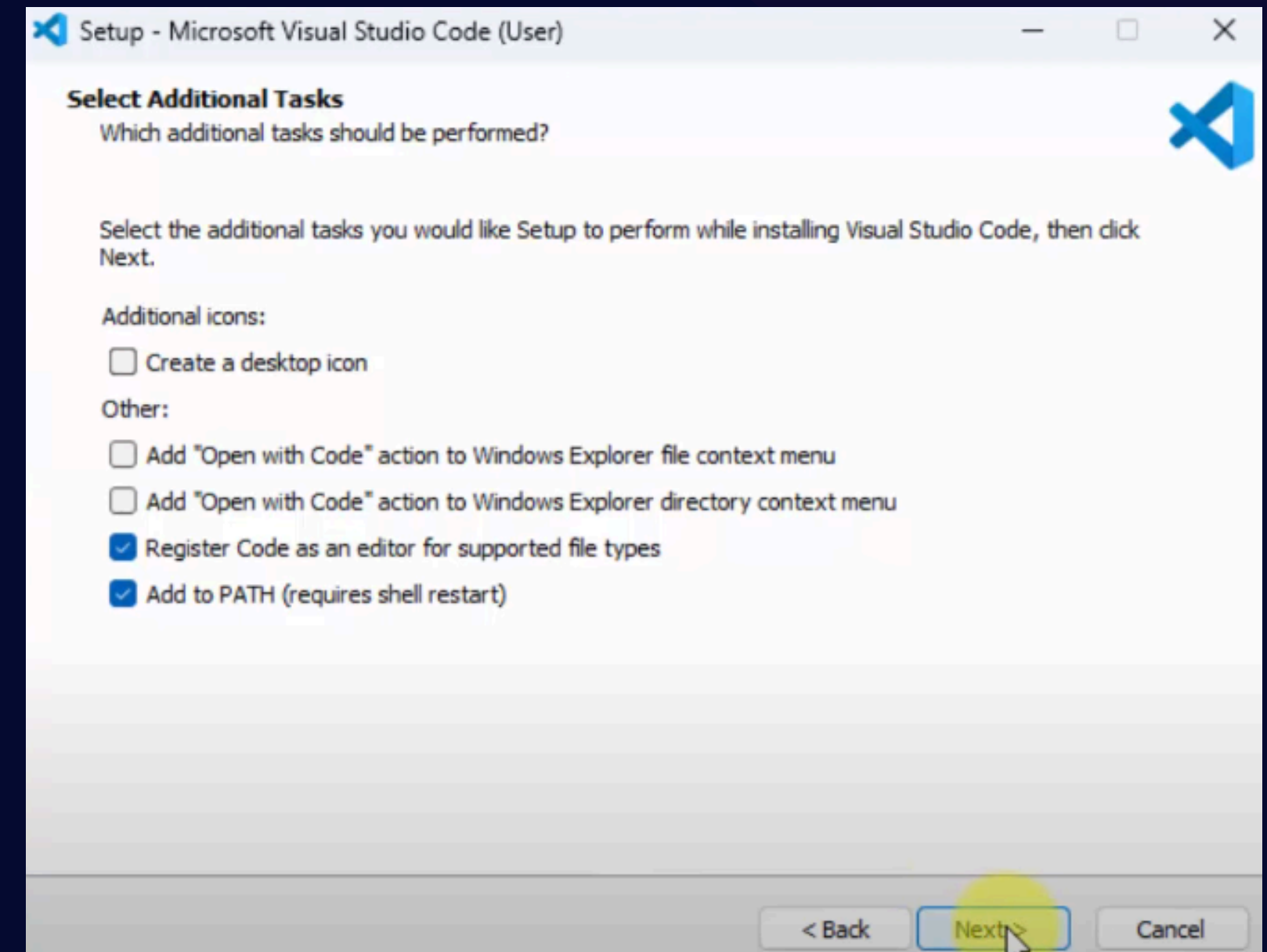
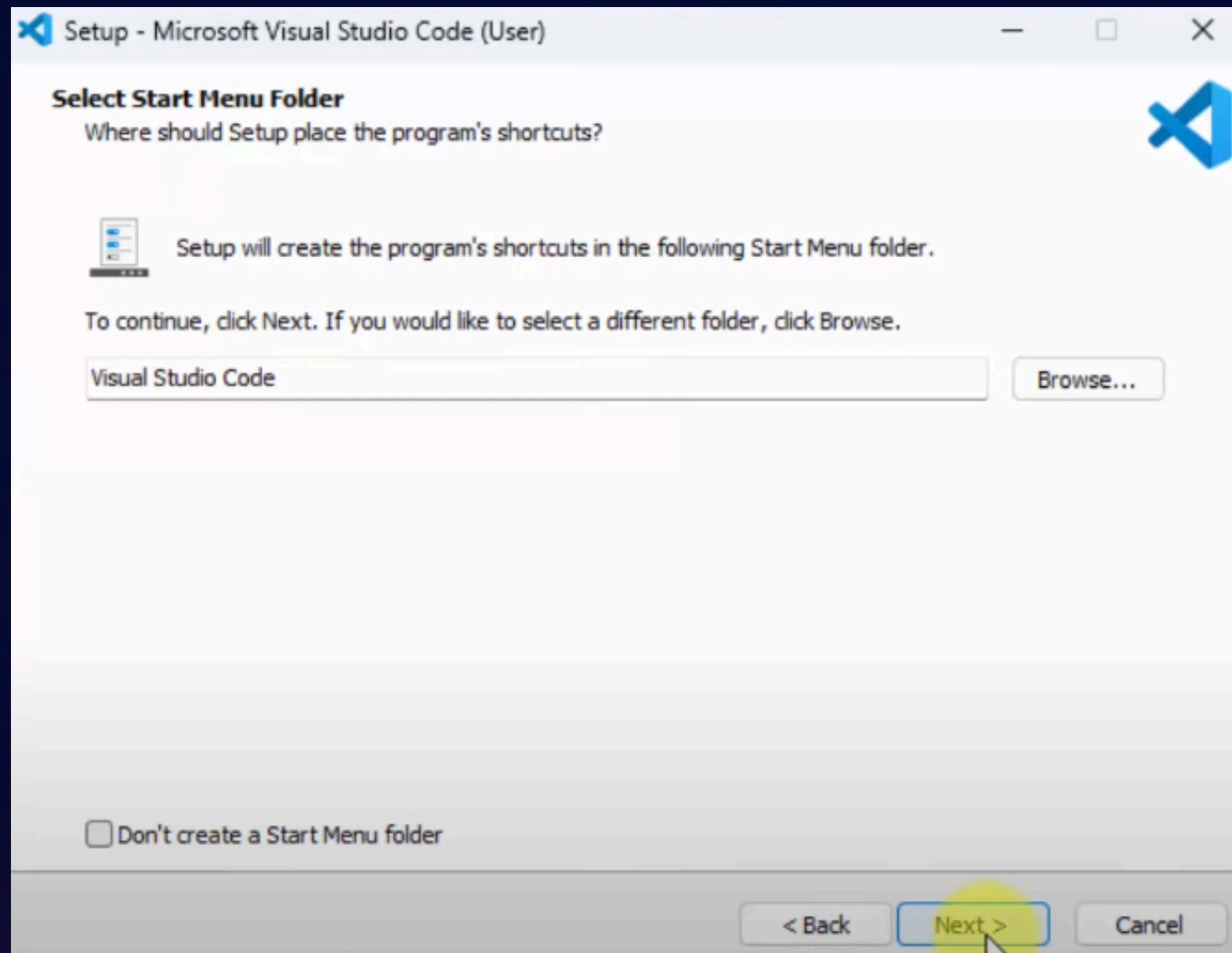
VSCODE

3. Run installer



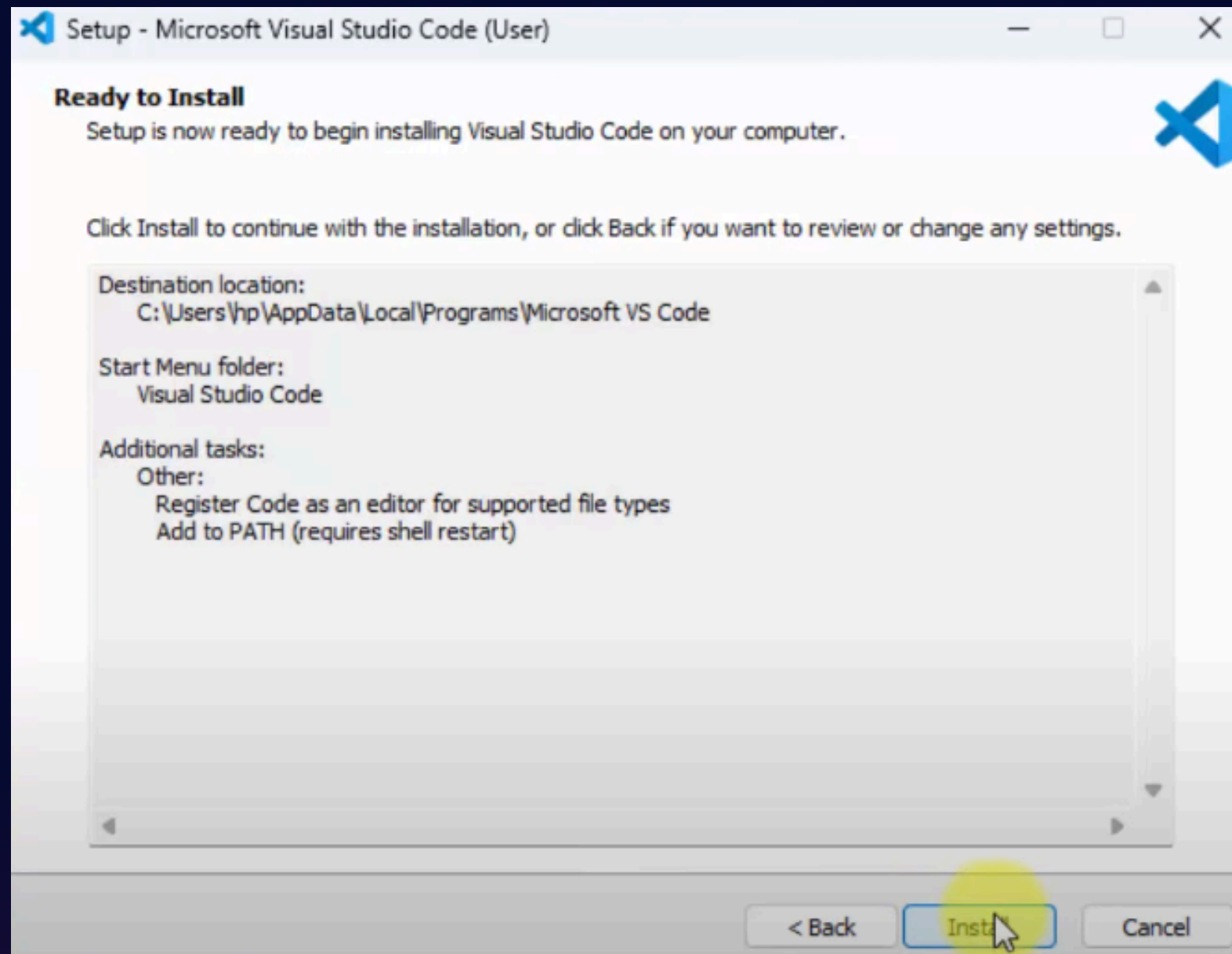
VSCODE

3. Run installer



VSCODE

3. Run installer



VSCODE



Windows/macOS

4. Verify: Open command prompt/terminal and type

- `code --version`

GEMINI CLI



1. LogIn/SignUp github account
2. Go to <https://github.com/google-gemini/gemini-cli>
3. Run on terminal/command prompt ``npm install -g @google/gemini-cli``
4. Run ``gemini``

Note:

- Free tier: 60 requests/min and 1,000 requests/day
- Gemini 2.5 Pro with 1M token context window