

# Installing Python on macOS Without Admin Rights

## What You'll Need:

- A Mac computer
- Internet access
- No administrator password or privileges

## Step 1: Check if Python Is Already Installed

1. Open Terminal: Press Command + Space, type 'Terminal', and hit Enter.
2. Type: `python3 --version`
3. If it shows Python 3.x.x, you're good. If not, continue to the next step.

## Step 2: Install Python Using a User-Local Method

We'll use Miniforge, a lightweight version of Conda that installs in your home folder.

## Download and Install Miniforge

1. Go to: <https://github.com/conda-forge/miniforge>
2. Download the right file:
  - M1/M2 Macs: `Miniforge3-MacOSX-arm64.sh`
  - Intel Macs: `Miniforge3-MacOSX-x86_64.sh`
3. Save the file in your Downloads folder.
4. Open Terminal and run:

```
cd ~/Downloads  
chmod +x Miniforge3-MacOSX-*.sh  
./Miniforge3-MacOSX-*.sh
```

5. Press Enter to accept the default install location.
6. Say 'yes' to initialize Conda.
7. Restart Terminal or run:

```
source ~/miniforge3/bin/activate
```
8. Confirm Python is installed:

```
python --version
```

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## Step 3: Try a Simple Program

1. In Terminal, type: python
2. Then enter:  

```
print("Hello, world!")
```
3. You should see: Hello, world!
4. To exit, type: exit()

## Optional: Install a Code Editor (No Admin Required)

- Thonny: <https://thonny.org/> (Download ZIP for macOS)
- VS Code (ZIP): <https://code.visualstudio.com/Download>

## Done!

Python is now installed and ready to use without needing admin rights.