

1. Install **wave** and **tencent cloud**
 - a. After installing **PyAudio**, install **wave**

```
pip3 install --user wave
```

- b. Install **tencent cloud**

```
pip3 install --user tencentcloud-sdk-python
```

2. Install **Homebrew**, **Portaudio**, **PyAudio**,
 - a. Follow the following page to install **Homebrew**.

<https://www.jianshu.com/p/cd7c7fabce9f>

All commands are input in the terminal.
If you don't have **git**, please download it first.

- b. Open **terminal** and enter the following command to install **portaudio**

```
brew install portaudio
```

- c. After installing **portaudio**, install **PyAudio**

```
pip3 install --user PyAudio
```

3. Open **terminal** as an **admin**
 - a. Drag your **Visual Studio Code(VSCoDe)** in the **Desktop** folder into the **Applications** folder.
 - b. Use the following command in your **terminal** to open **VSCoDe**.

```
sudo /Applications/Visual\ Studio\ Code.app/Contents/MacOS/Electron
```

Congratulations. All libraries are prepared! 🤪