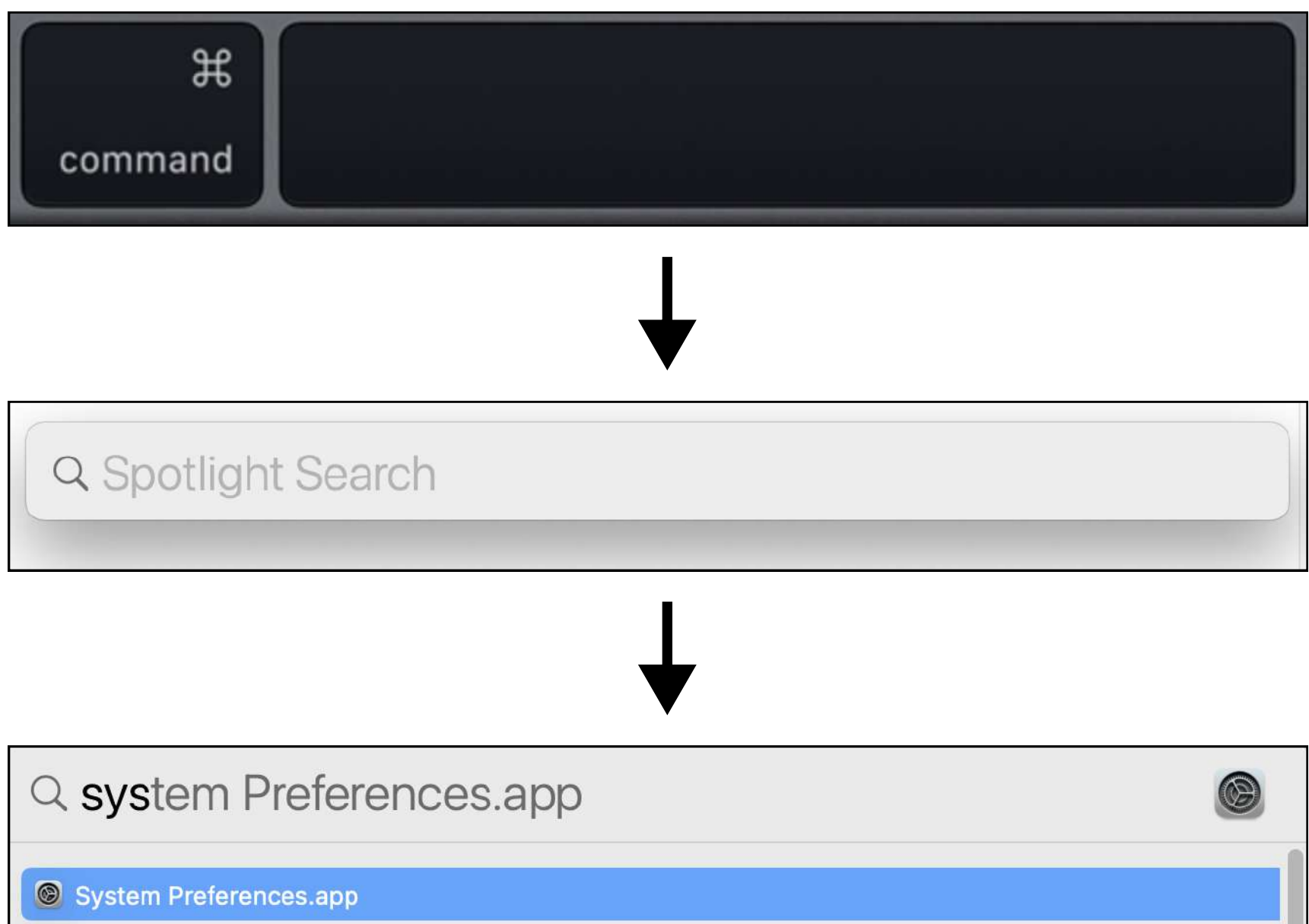# OSP Sanity Check - Making Sure Audio Input and Output Works

1. Choose one method to check and connect your audio input and output sources.
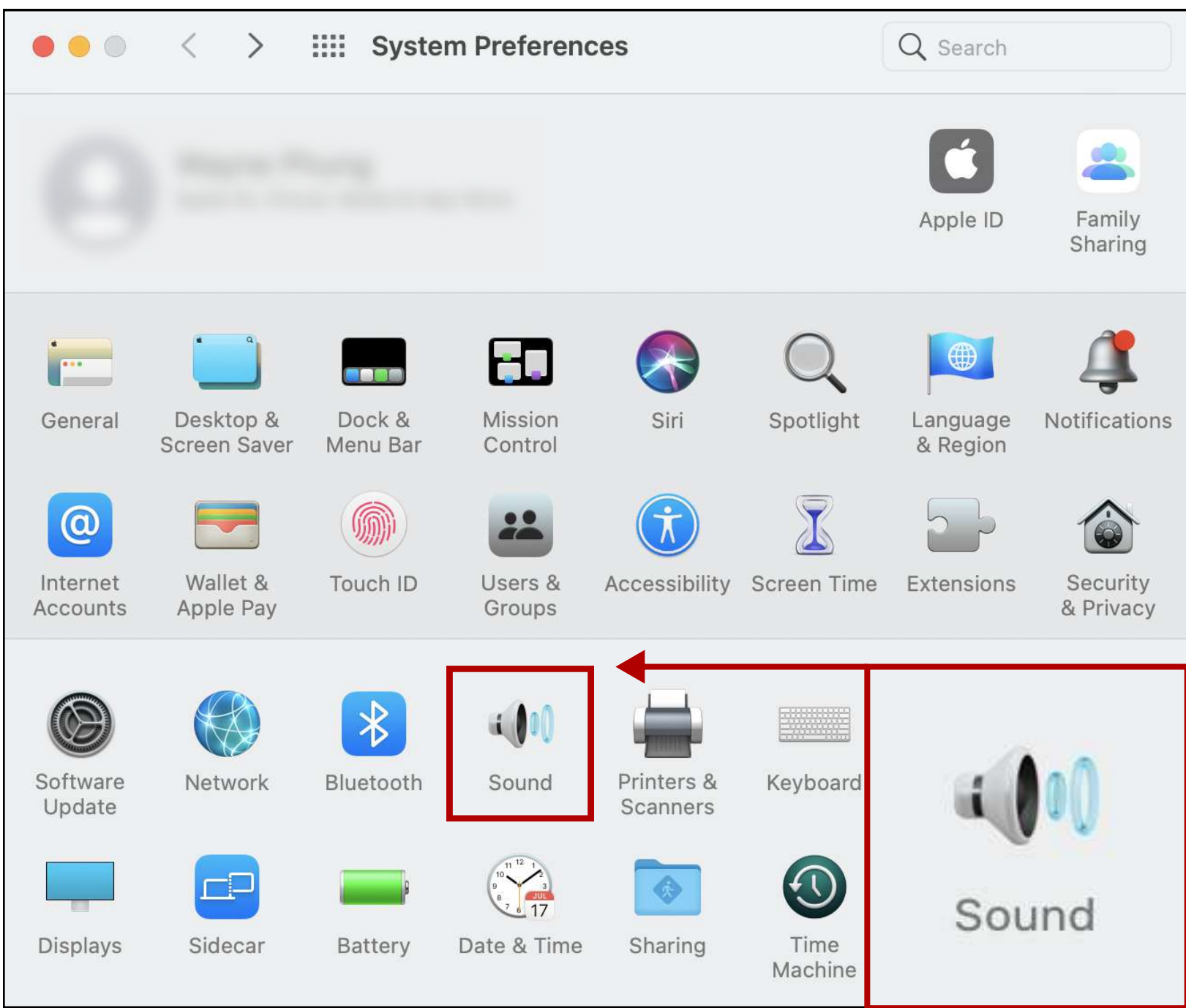
Method A - System Preferences (Mac)

A1. Press command + space to open Spotlight Search and start typing "system preferences".
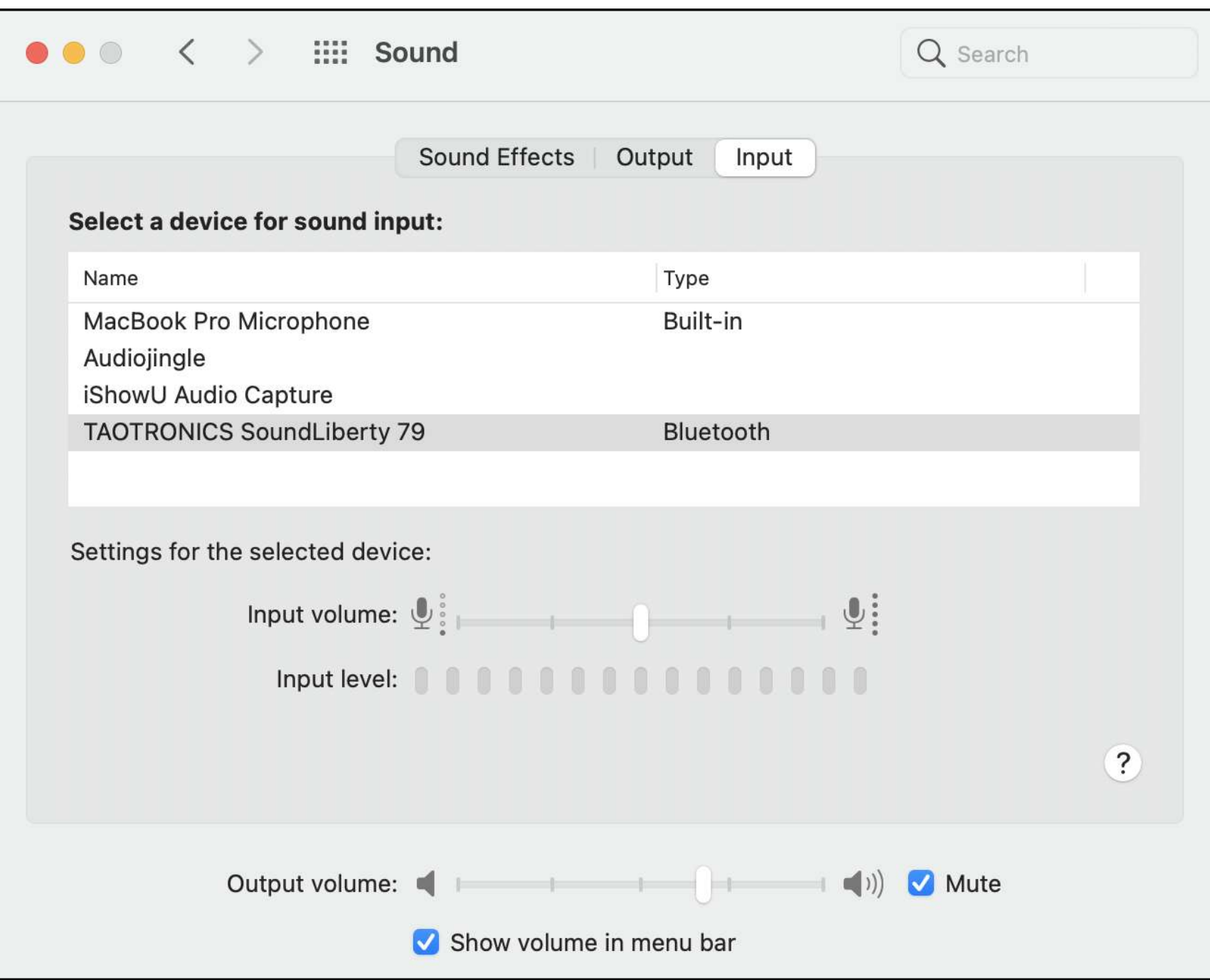
The app name will be highlighted. Press enter.

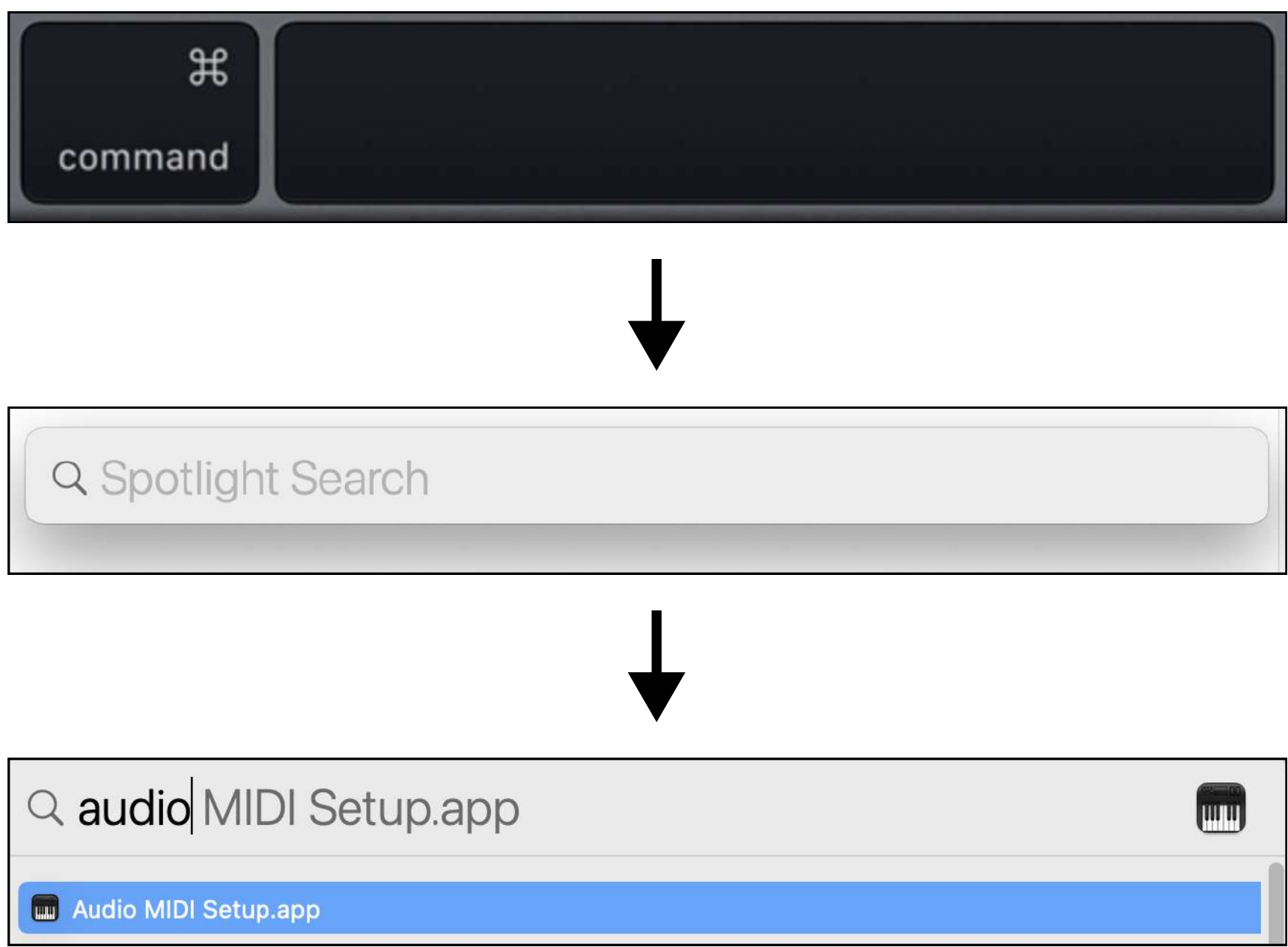A2. You should see this interface of the System Preferences. Then, click on "Sound".

A3. There are tabs labeled "Output" and "Input", where you can connect available audio microphone input and volume output sources.
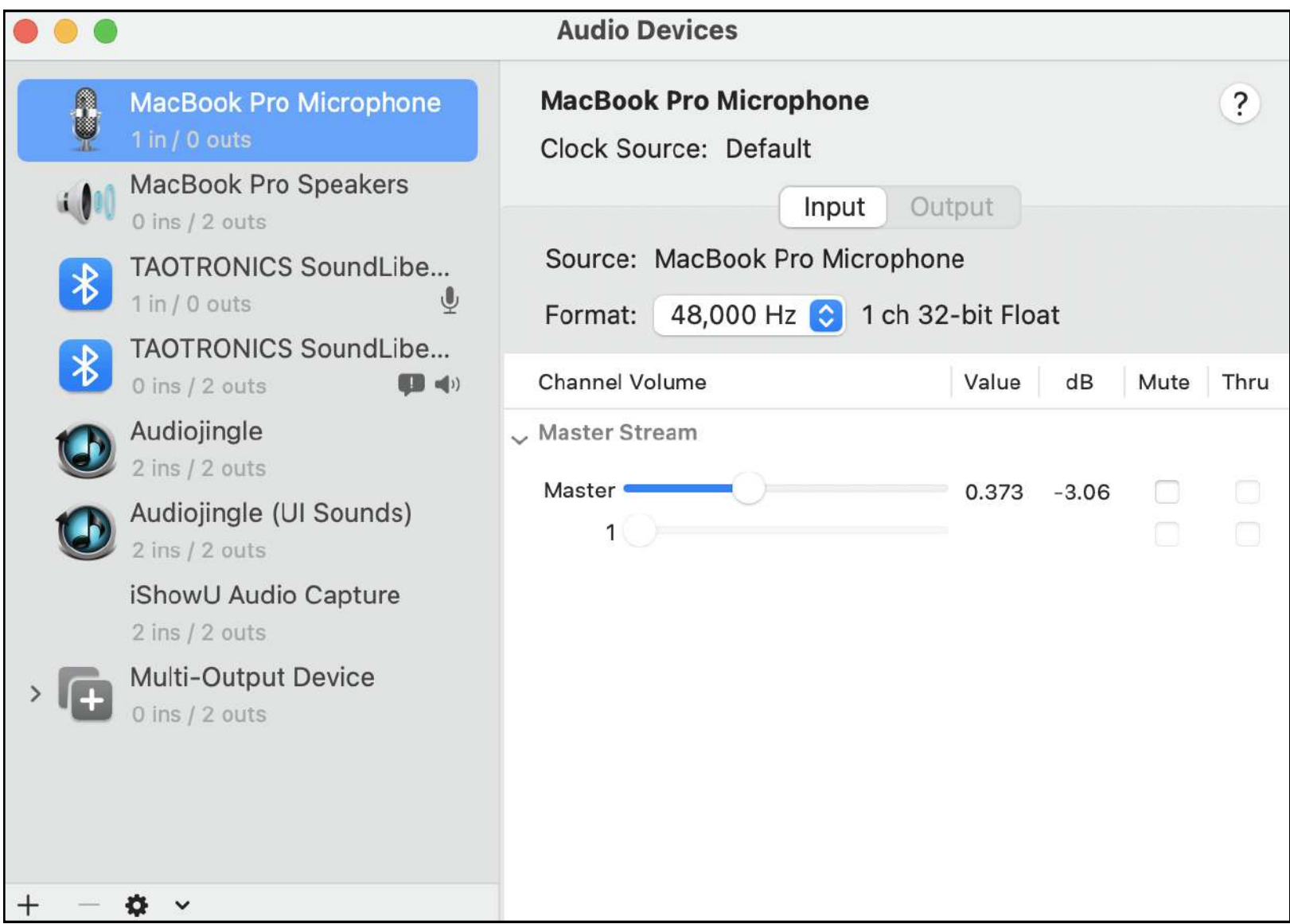

Method B - Audio MIDI Setup (Mac)

B1. Press command + space to open Spotlight Search and start typing "audio midi setup".

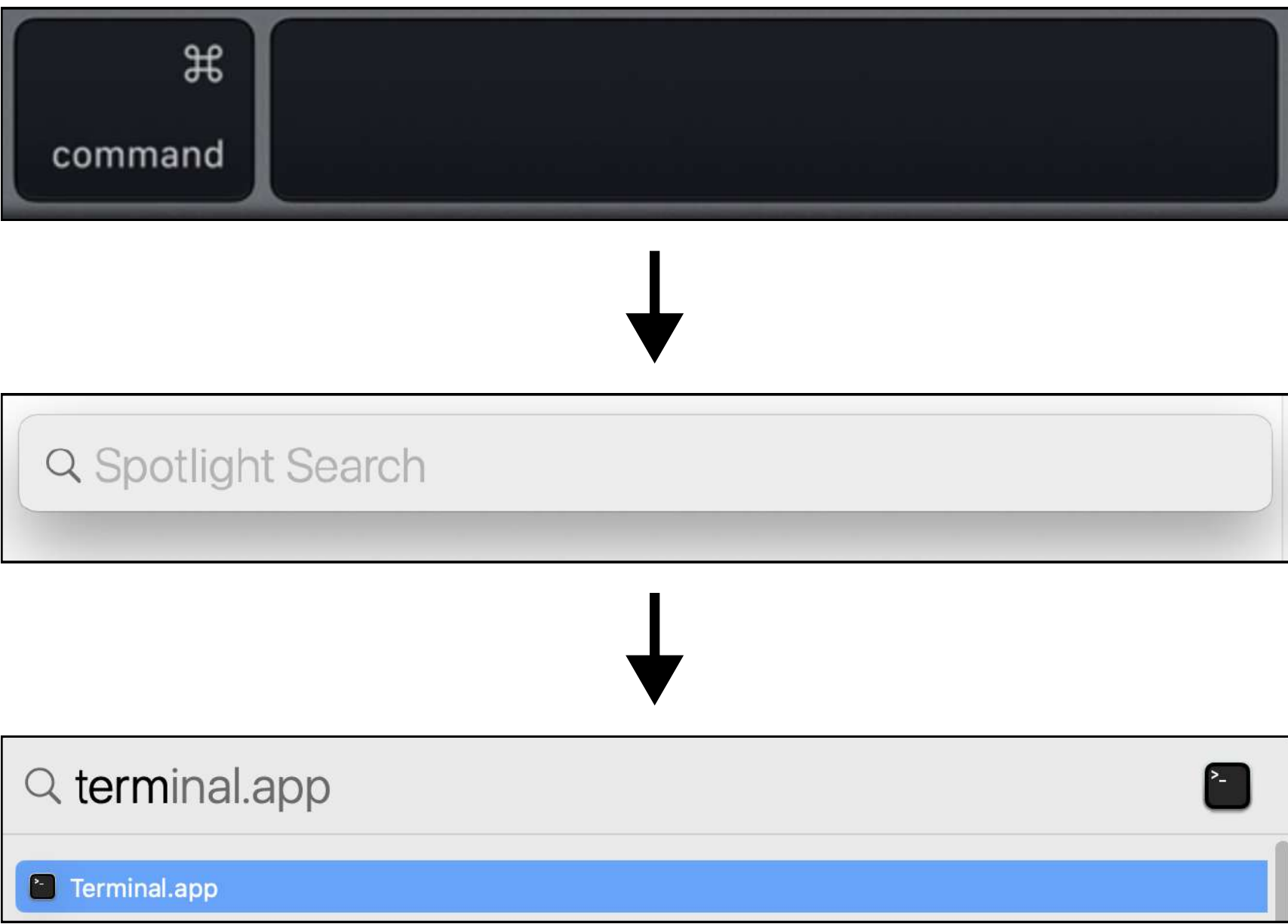The app name will be highlighted. Press enter.

B2. The image below is the Audio MIDI Setup interface, where you can connect your audio sources for microphone input and volume output and make other changes to sound settings.
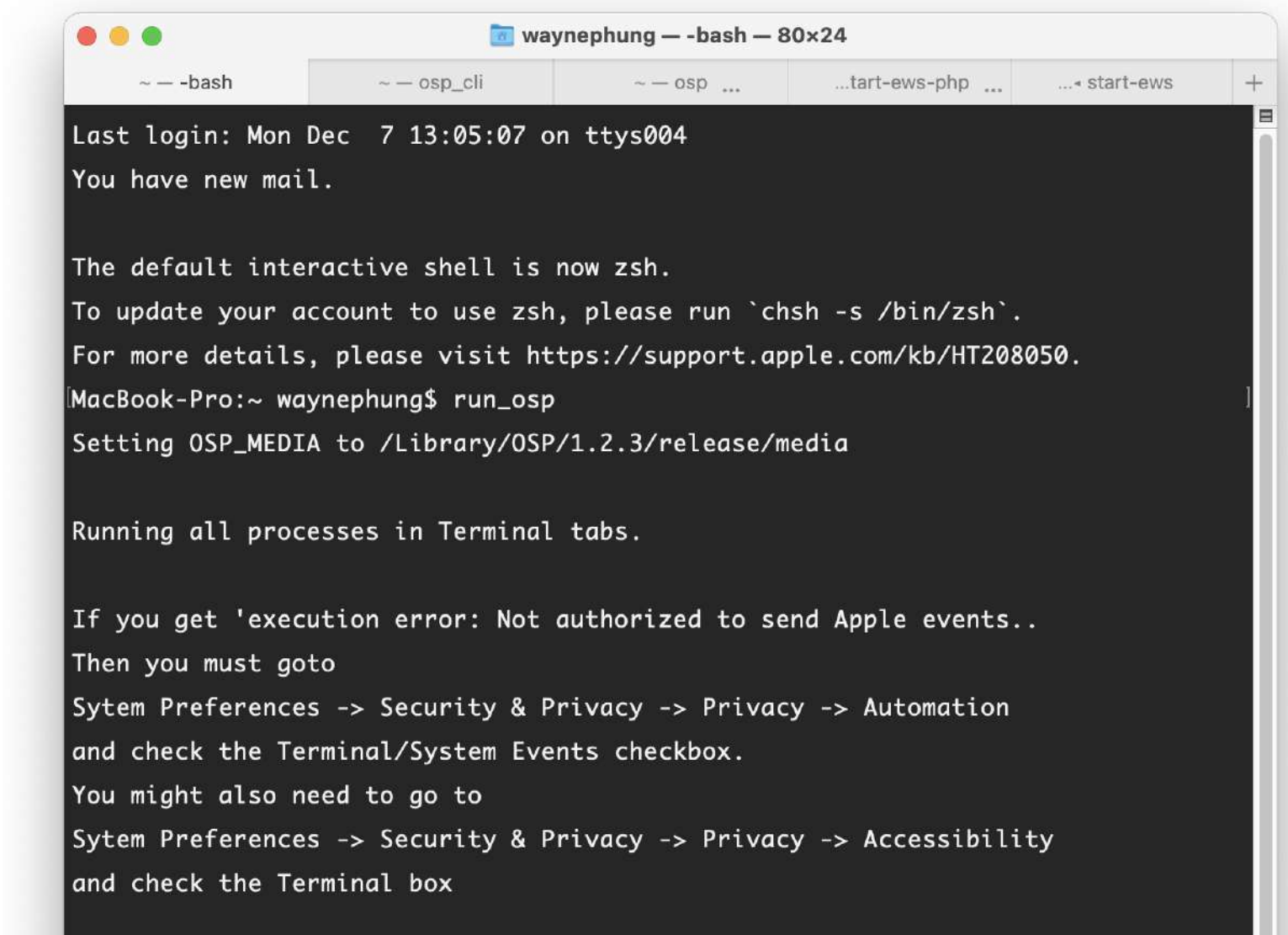

2. Open the terminal app once you have connected your audio sources.

Open Spotlight Search and start typing "terminal". The app name will be highlighted. Press enter.

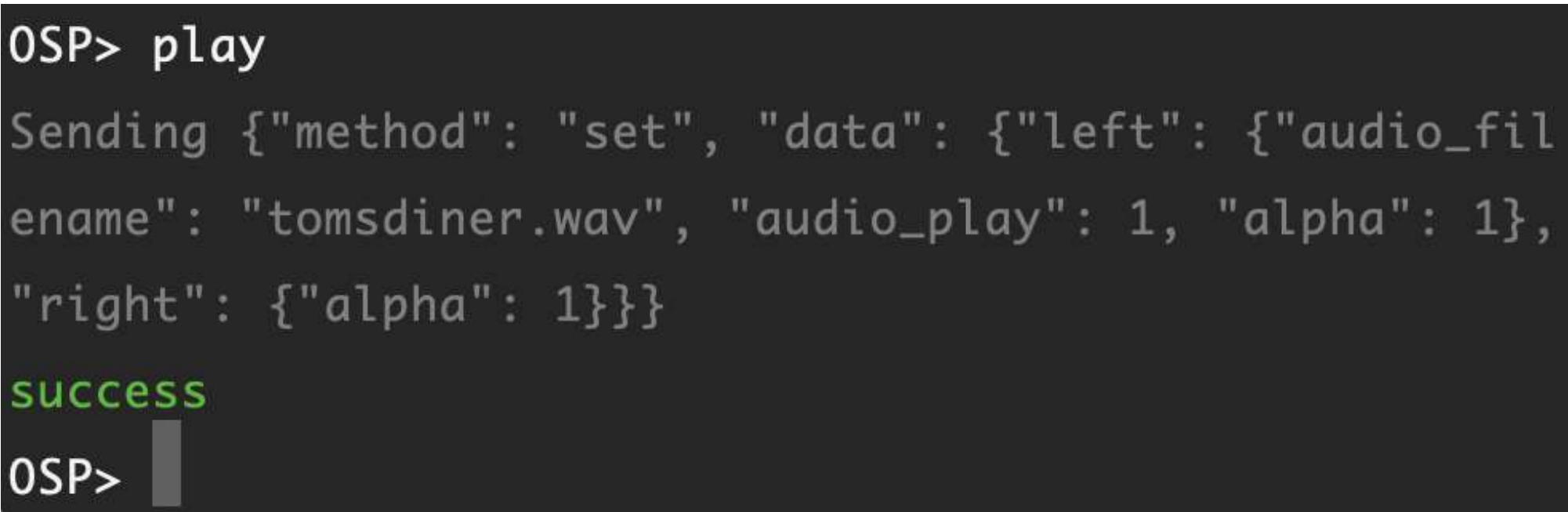

3. In the terminal, enter the command "`run_osp`".

You should see 5 terminal tabs automatically opened, running processes, and generating messages.

4. Click on the tab named "osp_cli", enter the command "`play`", and press return/enter.

You should hear an audio file played. The file is named "tomsdiner.wav".

You should see parameters shown and the word "success" being shown.

```
OSP> play
Sending {"method": "set", "data": {"left": {"audio_fil
ename": "tomsdiner.wav", "audio_play": 1, "alpha": 1},
"right": {"alpha": 1}}}
success
OSP>
```

5. To immediately stop the audio file playing, type in the command "`stop`" and press return/enter.

You should see parameters shown and the word "success" being shown.

```
OSP> stop
Sending {"method": "set", "data": {"left": {"audio_pla
y": 0}}}
success
OSP>
```

If you can't hear anything, refer to the "**Audio Input and Output - Troubleshooting**" section in the Getting Started Guide.

Links to More OSP Resources

Getting Started Guides

Below are links to two guides that extensively cover the installation steps, troubleshooting steps, and sanity checks for OSP.

OSP Software Getting Started Guide

OSP Hardware Getting Started Guide

Other Guides

Below are links to four other guides to help you troubleshoot or check that OSP software is working.

Troubleshooting Guide

Sanity Check - Node.js Version of EWS

Sanity Check - PHP/Laravel Version of EWS

OSP Website

Read the latest release notes and development of OSP hardware and software features.

View general information of what OSP is.

See the people who have previously and are currently contributing to OSP.

OSP Forum

An upcoming online community to connect audiologists, hearing aid researchers, and other people using OSP.

Anyone can search and read OSP documentation and OSP-related topics.

Once you make a new account, you'll be able to make new forum topics, communicate issues, and make suggestions to OSP features.