

how to play sounds in python

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To play sounds in python, we need to install and import the `sounddevice` package. Below are instructions by platform.

windows

1. Open the program 'Anaconda Prompt' from the start menu. you may need to run this program as an administrator
2. In this window, run this command, inserting the name of your environment instead

```
conda install -n myEnvironment -c conda-forge python-sounddevice
```

mac

1. open the terminal
2. In this window, run this command, inserting the name of your environment instead

```
conda install -n myEnvironment -c conda-forge python-sounddevice
```

linux

1. open the terminal
2. In this window, run this command, inserting the name of your environment instead

```
conda install -n myEnvironment -c conda-forge python-sounddevice
```

1. you will also need to install the package `libportaudio2` using your package manager, e.g.

```
sudo apt install libportaudio2
```

playing sounds

Now to actually load and play a sound, do as follows:

```
import scipy.io.wavfile as wav
```

```
import sounddevice as sd
```

```
fs, x = wav.read('myFile.wav')
```

```
sd.play(x, fs)
```

