

```
!pip install SpeechRecognition pydub
```

```
Collecting SpeechRecognition
  Downloading speechrecognition-3.14.3-py3-none-any.whl.metadata (30 kB)
Collecting pydub
  Downloading pydub-0.25.1-py2.py3-none-any.whl.metadata (1.4 kB)
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.11/dist-packages (from SpeechRecognition) (4.13.2)
  Downloading speechrecognition-3.14.3-py3-none-any.whl (32.9 MB)
----- 32.9/32.9 MB 28.4 MB/s eta 0:00:00
  Downloading pydub-0.25.1-py2.py3-none-any.whl (32 kB)
Installing collected packages: pydub, SpeechRecognition
Successfully installed SpeechRecognition-3.14.3 pydub-0.25.1
```

```
from pydub import AudioSegment
```

```
mp3File = '/content/voice_command.mpeg'
wavFile = '/content/calc_voice.wav'
```

```
audio = AudioSegment.from_mp3(mp3File)
audio.export(wavFile, format='wav')
```

```
<_io.BufferedReader name='/content/calc_voice.wav'>
```

```
import speech_recognition as sr
```

```
# Initialize the recognizer
recognizer = sr.Recognizer()
```

```
reco = sr.Recognizer()
with sr.AudioFile(wavFile) as source:
    audio_data = reco.record(source, duration=5)
    try:
        text = reco.recognize_google(audio_data)
        print(text)
    except sr.UnknownValueError:
        print("Google Web Speech API could not understand audio")
    except sr.RequestError as e:
        print(f"Could not request results from Google Web Speech API service; {e}")
```

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