AUDIO TO TEXT :

import speech\_recognition as sr

# Initialize recognizer

recognizer = sr.Recognizer()

# Capture audio from microphone

with sr.Microphone() as source:

    print("Say something...")

    audio = recognizer.listen(source)

    try:

        # Recognize speech using Google Speech Recognition

        text = recognizer.recognize\_google(audio)

        print("You said: ", text)

    except sr.UnknownValueError:

        print("Sorry, could not understand audio.")

    except sr.RequestError as e:

        print("Error fetching results; {0}".format(e))

TEXT TO AUDIO :

from gtts import gTTS

from IPython.display import Audio

tts = gTTS('hello,how can i help you')

tts.save('1.wav')

sound\_file = '1.wav'

Audio(sound\_file, autoplay=True)