

TALKBOT:

```
import speech_recognition as sr
import pyttsx3
from chatterbot import ChatBot
from chatterbot.trainers import ChatterBotCorpusTrainer
import time
# import spacy
# nlp = spacy.load('en')
r = sr.Recognizer()
mic = sr.Microphone()
engine = pyttsx3.init()
bot = ChatBot('radical')
bot.set_trainer(ChatterBotCorpusTrainer)
bot.train('chatterbot.corpus.english')

# Recognising the audio and responding
time.sleep(0.5)
while(1):
    with mic as source:
        print('you are speaking : ')
        r.adjust_for_ambient_noise(source)
        audio_data = r.listen(source)
        # try:

        #         print("You said " + r.recognize_google(audio_data))      # recognize speech using Google Speech Recognition
        # except LookupError:                                              # speech is unintelligible

        #         print("Could not understand audio")
        message = r.recognize_google(audio_data)
        if ((message == 'Bye') or (message == 'ok bye see you later')):
            reply = 'nice talking to you . see you later'
            engine.say(reply)
            engine.runAndWait()
            exit()
        else:
            reply = bot.get_response(message)
            print('Radical speaking : ')
            engine.say(reply)
            engine.runAndWait()
            continue
```