To Do List:

1. Install **SpeechRecognition**  <https://pypi.org/project/SpeechRecognition/>

In the terminal type: **pip3 install SpeechRecognition**

after the installation is completed, we must install pyaudio to use the microphone

In the terminal type: **pip install pyaudio**

Note: (pip3, the number 3 is used because I’m using python 3 which is the latest version)

Now we can proceed to type code.

1. Importing the module

In the command line or terminal, we type the following code:

**import speech recognition as SR** (This command will import the SpeechRecognition package that we just installed above. SR can be substitute to any variable of your choice)

**r = SR.Recognizer( )** (this assigned variable will recognize our voice command)

**with SR.Microphone( ) as source**: (this will make the Microphone the source or input of the commands)

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**with SR.Microphone( ) as source**:

**print(‘What Can I Help you with?’)** (this can be anything of your choice)

**audio = r.listen(source)** (the input will listen to the “source” which was assigned as the microphone in the previous step), (make sure the variable r = is the same as r.listen)

**text = r.recognize\_google(audio)** (Our audio source will be converted to text. However, we need to choose an AI server to recognize our input), (In this method, I chose Google as the recognizer)

**print( ‘{ }’.format(text) )** (this will print what you just said in the microphone)

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**with SR.Microphone( ) as source**:

**print(‘What Can I Help you with?’)**

**audio = r.listen(source)**

**try:**

**text = r.recognize\_google(audio)**

**print( ‘{ }’.format(text) )**)

**except:**

**print (‘Sorry could not recognize your voice’)**

Note: The “try” command will only execute once if there are not errors or exceptions. The “except” will be execute if there is an exception in the “try” command. “except” is similar to “else”. This is useful because sometimes our voice commands cannot be recognized.

Speech Recognition full code

