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In [ ]: #VOICE SEARCH ASSISTANT
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In [ ]: import speech_recognition as sr
import webbrowser
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In [ ]: sr.Microphone(device_index=1)

a = sr.Recognizer()
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In [ ]: #anything below the threshold is considered as silence

a.energy_threshold = 5000
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In [ ]: #For microphone reading the audio

with sr.Microphone() as source:
    print("What do you want to search?")
    audio = a.listen(source)

    try:
        text = a.recognize_google(audio)                #Recognize whatever that is said
        print('You searched for : '.format(text))
        url = 'https://www.google.com/search?q='       #Initial url is common for every search
        search_url = url + text                        #Gives the entire query
        webbrowser.open(search_url)                    #Opens the web browser to search for query
    except:
        print('Couldn\'t recognize!')
```

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In [ ]:
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