

```
1 import speech_recognition as sr
2 import webbrowser
3 import time
4 import playsound
5 import os
6 from gtts import gTTS
7 import random
8 from time import ctime
9 from englisttohindi.englisttohindi import EngtoHindi
10
11
12 r=sr.Recognizer()
13
14 def main():
15
16     def record_audio(ask=False):
17         with sr.Microphone() as source:
18             if ask:
19                 sam_speak(ask)
20
21             audio = r.listen(source)
22             try:
23                 voice_data = r.recognize_google(audio
24             )
25             except sr.UnknownValueError:
26                 sam_speak('Sorry, I did not get that'
27             )
28             except sr.RequestError:
29                 sam_speak('Sorry, my speech service
30 is down')
31
32         return voice_data
33
34     def sam_speak(audio_string):
35         tts = gTTS(text=audio_string, lang='en')
36         r = random.randint(1, 100000000)
37         audio_file = 'audio-' + str(r) + '.mp3'
38         tts.save(audio_file)
39         playsound.playsound(audio_file)
40         print(audio_string)
41         os.remove(audio_file)
```

```
39     def respond(voice_data):
40         count = 0
41         if 'hello' in voice_data:
42
43             sam_speak("Hello,My name is Sam , i am
doing parttime job here,How can i help you")
44
45         if 'what is your name' in voice_data:
46             message="My name is sam but people call
me Mrs.Sam"
47             res = EngtoHindi(message)
48             sam_speak(res.convert)
49         if 'by the way what time is it' in voice_data
:
50             sam_speak(ctime())
51         if 'search' in voice_data:
52             search = record_audio('What do you want
to search for ?')
53
54             url = 'https://google.com/search?q=' +
search
55             webbrowser.get().open(url)
56             sam_speak('Here is what i found for ' +
search)
57
58         if 'disable' in voice_data:
59             disable=record_audio('ok give me one
second let me search this request for you')
60             url = 'https://www.ncbi.nlm.nih.gov/pmc/
articles/PMC5419007/'
61             webbrowser.get().open(url)
62             sam_speak('Here is what i found for ' +
disable)
63
64         if 'able' in voice_data:
65             able=record_audio("I feel really bad ,
how can i help")
66             url='https://indianexpress.com/article/
explained/everyday-explainers/explained-posh-law-
against-sexual-harassment-in-india-7825733/'
67             webbrowser.get().open(url)
```

```
68         sam_speak('see can this help you ' +
69         able)
70         if 'use' in voice_data:
71             use=record_audio("What you want to know
72             ?")
73             url='https://indianexpress.com/article/
74             explained/legal-age-marriage-for-women-india-law-
75             7676748/#:~:text=Under%20the%20Child%20Marriage%
76             20Prevention,child%20marriage%20can%20be%20punished
77             .' + use
78             webbrowser.get().open(url)
79             sam_speak('No dont you even dare to try
80             ,read this article' + use)
81             if 'ok' in voice_data:
82                 sam_speak("i am chill you take care
83                 about yourself")
84                 if 'y' in voice_data:
85                     y=record_audio("ok user how can i help")
86                     url='https://vakilsearch.com/iso-
87                     certification'
88                     webbrowser.get().open(url)
89                     sam_speak('see can this help you ')
90                     if 'start' in voice_data:
91                         sam_speak("Hello judges I am sam, i am
92                         personal assistant who direct user request, i am
93                         only model version so ")
94                         sam_speak("i still lacking many features
95                         , sorry for that")
96                         if 'register' in voice_data:
97                             register=record_audio('ok what do you
98                             want to register')
99                             url = 'https://vakilsearch.com/form-page
100                             /online-pf-registration'
101                             webbrowser.get().open(url)
102                             sam_speak('Here is what i found for ')
```

```
95
96         if 'tax' in voice_data:
97             tax=record_audio("What do you want to
know")
98             url = 'https://vakilsearch.com/proposal-
for-rbi-compounding-application'
99             webbrowser.get().open(url)
100             sam_speak("see is this ok")
101
102
103         if 'exit' in voice_data:
104             sam_speak("Thank you judges, hope you
like it , give me some more time i will become more
intelligent")
105             exit()
106
107
108
109         time.sleep(1)
110         sam_speak("How can i help you")
111         while 1:
112             voice_data= record_audio()
113             respond(voice_data)
114
115
116 # try to speak with local language
117 if __name__ == "__main__":
118     main()
119
120
```