In [9]:
```python
import pyttsx3
import datetime
import speech_recognition as sr
import wikipedia
import webbrowser
import os
import smtplib
```

In [10]:
```python
engine = pyttsx3.init('sapi5')
```

In [11]:
```python
voices = engine.getProperty('voices')
print(voices[0].id)
engine.setProperty('voice',voices[1].id)
```

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Speech\Voices\Tokens\TTS_MS_EN-US_DAVID_1
1.0
```

In [ ]:

```python
def speak(audio):
    engine.say(audio)
    engine.runAndWait()
def wishMe():
    hour = int(datetime.datetime.now().hour)
    if hour >= 0 and hour <12:
        speak("good morning")
    elif hour>= 12 and hour<18:
        speak("good afternoon")
    else:
        speak("good evening")
    speak("I am your virtual assistant. sir, Please tell me how may i help you")
def takeCommand():
    #it takes microphone as input and return string output
    r = sr.Recognizer()
    with sr.Microphone() as source:
        print("Listening....")
        r.pause_threshold = 0.5
        audio = r.listen(source)
    try:
        print("Recognizing...")
        query = r.recognize_google(audio,language='en-in')
        print(f'user said: {query}\n')

    except Exception as e:
        #print(e)
        print("Say that again please...")
        return "None"
    return query


if __name__ == "__main__":
    #speak("arif is a good boy")
    wishMe()

    while True:
        query = takeCommand().lower()
        if 'wikipedia' in query:
            speak('searching wikipedia...')
            query = query.replace('wikipedia',"")
            results = wikipedia.summary(query,sentences=2)
            speak("According to wikipedia")
            print(results)
            speak(results)
        elif 'open youtube' in query:
            speak('searching on youtube')
            query = query.replace('open youtube',"")
            speak('according to youtube')
            webbrowser.open(f'youtube.com/{query}')

            #elif 'open youtube' in query:
                #webbrowser.open('youtube.com')
        elif 'open google' in query:
            speak('according to google')
            query = query.replace('open google',"")
            speak('according to google.')
```

```python
                webbrowser.open(f'google.com/{query}')
            elif 'play music' in query:
                music_dir = 'C:\\new music'
                songs = os.listdir(music_dir)
                print(songs)
                os.startfile(os.path.join(music_dir, songs[0]))
            elif 'the time' in query:
                strTime = datetime.datetime.now().strftime('%H:%M:%S')
                speak(f'sir, the time is {strTime}')

            elif 'exit' in query:
                break
```

```
Listening....
Recognizing...
user said: the hairstyle of Daredevils in Google

Listening....
Recognizing...
Say that again please...
Listening....
Recognizing...
user said: hairstyle of their table open Google

Listening....
Recognizing...
Say that again please...
Listening....
Recognizing...
Say that again please...
Listening....
Recognizing...
Say that again please...
Listening....
```

In [20]:

In [ ]:

In [ ]:

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