In [ ]:
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# pyttsx3 = python text to speech
# speech_recognition = used to convert spoken words into text and work an API's
# automate.wikipedia = used to automate and work with the wikipedia
# webbrowser = used to automate webbrowers
# os = used to work/interact with operating system
# datetime = used to work with the dateand time
```

In [*]:
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import pyttsx3
import speech_recognition as sr
import datetime
import wikipedia
import webbrowser
import os
```

In [*]:

```
engine= pyttsx3.init('sapi5')
voices= engine.getProperty('voices')
engine.setProperty('voice', voices[1].id)


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 my dear Friend")
    elif hour >=12 and hour <18:
        speak("Good Afternoon my dear Friend")
    else:
        speak("Good evening my dear Friend")
    speak("Let me know how can I help you , What are you looking for ?")

def takecommand():
    r = sr.Recognizer()
    with sr.Microphone() as source:
        print("Listening to you Swapnali......")
        r.pause_threshould = 1
        audio = r.listen(source)


    try:
        print("Recognizing your voice...")
        query = r.recognize_google(audio, language= "en-in")
        print(f" My dear friend you said : {query}\n")


    except Exception as e:
        print("Swapnali say that again please.....")
        return "None"

    return query




if __name__ == '__main__':
    wishme()

    while True:
        query = takecommand().lower()

        if 'open wikipedia' in query:
            speak('Searching wikipedia ....')
            query = query.replace('wikipedia', "")
            results = wikipedia.summary(query, sentences =2)
            speak("According to wikipedia")
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            print(results)
            speak(results)

        if 'open notepad' in query:
            npath ="c:\\Windows\\system32\\notepad.exe"
            os.startfile(npath)


        elif 'open paint' in query:
            path = "c:\\Windows\\system32\\mspaint.exe"
            os.startfile(path)

        elif 'open Youtube' in query:
            webbrowser.open('youtube.com')

        elif 'open Great learning academy' in query:
            webbrowser.open('https://www.greatlearning.in//academy')



        elif 'open google' in query:
             webbrowser.open("google.com")

        elif 'tell me the time ' in query:
            strTime=datatime.datatime.now().strftime('%H:%M:%S')
            speak(f"My dear friend, the time is {strTime}")

        elif 'open great learning youtube channel' in query:
            webbrowser.open("https://www.youtube.com/c/GreatLearningOfficial")

        elif 'open Linkedin' in query:
            webbrowser.open("www.linkedin.com")
```

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