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In [ ]: import pytsx3 #pip install pytsx3
import speech_recognition as sr #pip install speechRecognition
import datetime
import wikipedia #pip install wikipedia
import webbrowser
import os
import smtplib

engine = pytsx3.init('sapi5')
voices = engine.getProperty('voices')
print(voices[1].id)
engine.setProperty('voice', voices[0].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!")
    elif hour >= 12 and hour < 18:
        speak("Good Afternoon!")
    else:
        speak("Good Evening!")
    speak("I am Jarvis Sir. Please tell me how may I help you")

def takeCommand():
    #It takes microphone input from the user and returns string output
    r = sr.Recognizer()
    with sr.Microphone() as source:
        print("Listening...")
        r.pause_threshold = 1
        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__":
    wishMe()
    while True:
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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 google' in query:
    speak('according to google')
    query = query.replace('open google', '')
    speak('according to google.')
    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

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In []: