

# CODE OF THE PROJECT

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import pyttsx3 #pip install pyttsx3
import speech_recognition as sr #pip install speechRecognition
import datetime
import wikipedia #pip install wikipedia
import webbrowser
import os
import smtplib

i=0
emails ={"Rajat": "rajatreigns@gmail.com","Vaibhav": "vniranjan26@gmail.com","Rishabh": "rishabhgupta4999@gmail.com"}
z="Not Found"
engine = pyttsx3.init('sapi5')
voices = engine.getProperty('voices')
#print(voices[1].id)
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!")

    elif hour>=12 and hour<18:
        speak("Good Afternoon!")

    else:
        speak("Good Evening!")

    speak("I am Edith my friend. Please tell me how may I help you")

def takeCommand():
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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("Say that again please...")
    return "None"
return query

def sendEmail(to, content):
    server = smtplib.SMTP('smtp.gmail.com', 587)
    server.ehlo()
    server.starttls()
    server.login('aiprojectdemo26@gmail.com', 'Ai@k18sp')
    server.sendmail('aiprojectdemo26@gmail.com', to, content)
    server.close()

if __name__ == "__main__":
    wishMe()
    while True:
        # if 1:
            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:

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        webbrowser.open("youtube.com")
        speak("youtube is opeing.....")

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

elif 'open stackoverflow' in query:
    webbrowser.open("stackoverflow.com")
    speak("stack overflow is opeing.....")

elif 'open u m s' in query:
    webbrowser.open("ums.lpu.in/lpuums/")
    speak("university management system is opeing.....")
)

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elif 'play music' in query:
    music_dir = 'D:\Songs'
    songs = os.listdir(music_dir)
    print(songs)
    os.startfile(os.path.join(music_dir, songs[i]))
    i=i+1
    speak("opeing music directory.....")

elif 'what is the time' in query:
    strTime = datetime.datetime.now().strftime("%H:%M:%S")
    speak(f"Sir, the time is {strTime}")

elif 'open code' in query:
    codePath = "C:\Program Files\Microsoft VS Code\\Code.exe"
    os.startfile(codePath)

elif 'stop' in query:
    speak('stop in 3    2    1...')
    break

elif 'send a email' in query:
    try:
        speak("To whom you want to send email ?")
        try:

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per = takeCommand()
to = emails.get(per,z)
if (to==z):
    speak("I didn't have addresss of ")
    speak(per)
    speak("in our data base")
else :
    speak("What should I say?")
    content = takeCommand()
    sendEmail(to, content)
    speak("Email has been sent!")
    print("Email has been sent!")

except Exception as e:
    print(e)

except Exception as e:
    print(e)
    speak("Sorry my friend vaibhav. I am not able to send
this email")

```