

In [18]:

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import pyttsx3
import speech_recognition as sr
import datetime
import wikipedia
import webbrowser
import os
import smtplib
import pyjokes
import pywhatkit

engine = pyttsx3.init('sapi5')
voices = engine.getProperty('voices')
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("Hello den this side, how can i help you")

def takeCommand():

    r = sr.Recognizer()
    with sr.Microphone() as source:
        print("Catching your words....")
        r.pause_threshold = 1
        audio = r.listen(source)

    try:
        print("Got it...")
        query = r.recognize_google(audio, language='en-in')
        print(f"User said: {query}\n")

    except Exception as e:
        print("sorry can you repeat...")
        return "None"
    return query

if __name__ == "__main__":
    wishMe()
    while True:
        query = takeCommand().lower()

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

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

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

elif 'open Amazon Prime' in query or 'open prime' in query:
    webbrowser.open("primevideo.com")

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

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

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

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

    wishMe()
    speak("den in your service")
elif 'how are you' in query:
    speak("I am fine, Thank you")
    speak("How are you, Sir")
elif 'fine' in query or "good" in query:
    speak("It's good to know that your fine")
elif "who made you" in query or "who created you" in query:
    speak("I have been created by Universe.")
elif 'play' in query:
    song = query.replace('play', '')
    speak('playing' + song)
    pywhatkit.playonyt(song)
elif 'joke' in query:
    speak(pyjokes.get_joke())

elif "good bye" in query or "bye" in query or "stop" in query or "exit" in query:
    print('your personal assistant DEN is shutting down, bye')
    speak('your personal assistant DEN is shutting down, bye')
    break

```

Catching your words....
 Got it...
 User said: do

Catching your words....
 Got it...
 sorry can you repeat...
 Catching your words....

```
Got it...  
User said: open YouTube
```

```
Catching your words....  
Got it...  
User said: exit exit
```

```
your personal assistant DEN is shutting down, bye
```

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