

```
In [ ]: import wolframalpha
import requests
import webbrowser
import wikipedia
import datetime

import speech_recognition as sr
import pyttsx3

print('LOADING YOUR A.I PERSONAL ASSISTANT Ranbir')

engine = pyttsx3.init('sapi5')
voices = engine.getProperty('voices')
engine.setProperty("voice", 'voices[0].id')

def speak(text):
    engine.say(text)
    engine.runAndWait()

def wishMe():
    hour = datetime.datetime.now().hour
    if hour >= 0 and hour < 12:
        speak("hello,Good morning Ms.Alia")
        print("hello,Good morning Ms.Alia")
    elif hour >=12 and hour <=18:
        speak("hello,Good afternoon Ms.Alia")
        print("hello,Good afternoon Ms.Alia")
    else:
        speak("Its already the night time better to go sleep")
        print("Its already the night time better to go sleep")

def takeCommand():
    r = sr.Recognizer()
    with sr.Microphone() as source:
        print("I AM LISTENING")
        audio = r.listen(source)

        try:
            statement=r.recognize_google(audio, language='en-in')
            print(f"user said:{statement}\n")

        except Exception as e:
            speak("pardon me,please say that again")
            return "None"
        return statement

speak("LOADING YOU PERSONAL A.I ASSISTANT Ranbir")
wishMe()

if __name__ == '__main__':
    while True:
        speak(" How can i help you ?")
        statement = takeCommand().lower()
        if statement == 0:
            continue
        if "good bye" in statement or "ok bye" in statement or "stop" in statement:
            speak("Your personal A.I assistant Ranbir is shutting down, Good bye")
            print("Your personal A.I assistant Ranbir is shutting down, Good bye")
            break

        elif "open google" in statement:
            webbrowser.open_new_tab("https://www.google.com")
            speak("google search is open for you")
            time.sleep(5)

        elif "open gmail" in statement:
            webbrowser.open_new_tab("gmail.com")
            speak("your gmail is open for you")
            time.sleep(5)

        elif "weather" in statement:
            api_key = "8ef61edcf1c576d65d836254e11ea420"
            base_url = "https://api.openweathermap.org/data/2.5/weather?q="
            speak("whats the city name")
            city_name = takeCommand()
            complete_url = base_url+city_name+"&appid="+api_key
            #complete_url = base_url+"appid = "+api_key+"&q="+city_name
            response = requests.get(complete_url)
            x = response.json()
            if x["cod"] != "404":
                y = x["main"]
                current_temperature = y["temp"]
                current_humidity = y["humidity"]
                z = x["weather"]
                weather_description = z[0]["description"]
                speak(" the temperature in kelvin units is " + str(current_temperature) +"\n humidity in percentage is" + str(current_humidity) +"\n weather description" + str(weather_description))
                print(" the temperature in kelvin units is " + str(current_temperature) +"\n humidity in percentage is" + str(current_humidity) +"\n weather description" + str(weather_description))
            else:
                speak("city not found")
                print("city not found")

        elif "time" in statement:
            strTime = datetime.datetime.now().strftime("%H:%M:%S")
            speak(f"the time is {strTime}")
            print(f"the time is {strTime}")

        elif 'who are you' in statement or "what can you do" in statement:
            speak('''I am Ranbir version 1 point 0 your personal assistant. I am programmed to minor task like'
                    'opening youtube, google chrome, gmail and stack overflow ,perdict time, take a photo, predict weather'
                    'in differnt cities , get top headline news from times of India''')
            print(''' I am Ranbir version 1 point 0 your personal assistant.I am programmed to minor task like'
                    'opening youtube,google chrome,gmail and stack overflow, perdict time,take a photo,predict weather'
                    'in different cities, get top headline news from times of India''')

        elif"who made you" in statement or "who created you" in statement or "who discovered you" in statement:
            speak("I WAS BUILT BY Airobosoft")
            print("I WAS BUILT BY Airobosoft")

        elif 'news'in statement:
            news = webbrowser.open_new_tab("https://timesofindia.indiatimes.com/home/headlines")
            speak("here are some headlines for you from the times of india - happy reading")
            time.sleep(7)

        elif 'search' in statement:
            statement = statement.replace("search"," ")
            webbrowser.open_new_tab(statement)
            time.sleep(5)

        elif "log off" in statement or "sign out" in statement or "shut down" in statement:
            speak(" ok , your PC will shut down in 10 seconds - make sure you have saved and exit from all applications")
            subprocess.call(['shutdown','/1'])

time.sleep(3)
```

In []:

In []: