



voice\_assistant.py - C:\Users\Vansh Kabaria\AppData\Local\Programs\Python\Python39\voice\_assistant.py (3.9.0)

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```
"SHELL": [".sh"]
}
FILE_FORMATS = {file_format: directory
                 for directory, file_formats in DIRECTORIES.items()
                 for file_format in file_formats}

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

def countdown(n):
    while n > 0:
        print(n)
        n = n - 1
    if n == 0:
        print('BLAST OFF!')

def wishMe():
    hour = int(datetime.datetime.now().hour)
    if hour >= 0 and hour < 12:
        speak("Good Morning Sir!")

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

    else:
        speak("Good Evening Sir!")

    assname = ("Jarvis I point o")
    speak("I am your Assistant")
    speak(assname)

def username():
    speak("What should i call you sir")
    uname = takeCommandname()
    speak("Welcome Mister")
    speak(uname)
    print("#####")
    print("Welcome Mr.",uname)
    print("#####")
```

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```
query = r.recognize_google(audio, language='en-in')
print(f'Client to Whome message is to be sent is : {query}\n')

except Exception as e:
    print(e)
    print("Unable to recognize Client name")
    speak("Unable to recognize Client Name")
    print("Check your Internet Connectivity")
    return query

def takeCommandcontent():
    r = sr.Recognizer()
    with sr.Microphone() as source:
        print("What Should i say, sir")
        r.pause_threshold = 1
        audio = r.listen(source)

    try:
        query = r.recognize_google(audio, language='en-in')
        print(f'Message to be sent is: {query}\n')

    except Exception as e:
        print(e)
        print("Unable to recognize")
        return query

def organize():
    for entry in os.scandir():
        if entry.is_dir():
            continue
        file_path = Path(entry.name)
        file_format = file_path.suffix.lower()
        if file_format in FILE_FORMATS:
            directory_path = Path(FILE_FORMATS[file_format])
            directory_path.mkdir(exist_ok=True)
            file_path.rename(directory_path.joinpath(file_path))

    try:
        os.mkdir("OTHER")
    except:
        pass

for dir in os.scandir():
    pass
```

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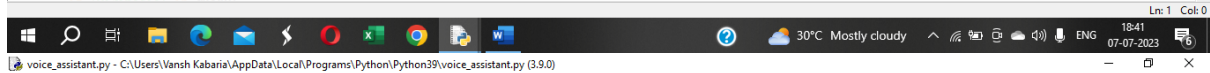
    directory_path.mkdir(exist_ok=True)
    file_path.rename(directory_path.joinpath(file_path))

    try:
        os.mkdir("OTHER")
    except:
        pass
    for dir in os.scandir():
        try:
            if dir.is_dir():
                os.rmdir(dir)
            else:
                os.rename(os.getcwd() + '/' + str(Path(dir)), os.getcwd() + '/OTHER/' + str(Path(dir)))
        except:
            pass

def sendEmail(to, content):
    server = smtplib.SMTP('smtp.gmail.com', 587)
    server.ehlo()
    server.starttls()
    server.login('youremail@email.com', 'your-password')
    server.sendmail('youremail@email.com', to, content)
    server.close()

if __name__ == '__main__':
    Clear = lambda: os.system('cls')
    Clear()
    wishMe()
    username()
    speak("Can i tell you a quote of day")
    useropt=takeCommand().lower()
    if 'yes' in useropt or 'sure' in useropt:
        quotation()
    else:
        speak("Taking you to command function")

    speak("How can i Help you, Sir")
    while True:
        query = takeCommand().lower()
        assname=("Jarvis i point o")
```



```
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username()
speak("Can i tell you a quote of day")
useropt=takeCommand().lower()
if 'yes' in useropt or 'sure' in useropt:
    quotation()
else:
    speak("Taking you to command function")

speak("How can i Help you, Sir")
while True:
    query = takeCommand().lower()
    assname=("Jarvis i point o")
    if 'wikipedia' in query:
        speak('Searching Wikipedia...')
        query = query.replace("wikipedia", "")
        results = wikipedia.summary(query, sentences=3)
        speak("Answer From Wikipedia")
        print(results)
        speak(results)

    elif "Good Morning" in query:
        speak("A warm" +query)
        speak("How are you Mister")
        speak(assname)

    elif "wikipedia" in query and "hindi" in query:
        speak('Searching Wikipedia...')
        query = query.replace("wikipedia", "")
        query = query.replace("hindi", "")
        results = wikipedia.summary(query, sentences=3)
        speak("According to Wikipedia")
        r = sr.Recognizer()
        results = r.recognize_google(results, language='hi')
        print(results)
        speak(results)

    elif 'open youtube' in query:
        speak("Taking You To Youtube\n")
        webbrowser.open("youtube.com")

    elif 'open google' in query:
        speak("Taking You To Google\n")
        webbrowser.open("google.com")
```



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methods.WmiSetBrightness(brightness, 0)

elif "Organize Files" in query:
    organize()

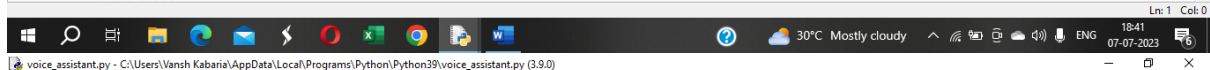
elif 'open stackoverflow' in query:
    speak("Here you go to Stack Over flow.Happy coding")
    webbrowser.open("stackoverflow.com")

elif "stackoverflow " in query:
    speak("Stackoverflow khola ja rha h")
    webbrowser.open("stackoverflow.com")

elif "send a whatsapp message" in query or "send a WhatsApp message" in query:
    driver = webdriver.Chrome('Web Driver Location')
    driver.get('https://web.whatsapp.com/')
    speak("Scan QR code before proceeding")
    time=10
    time.sleep(time)
    speak("Enter Name of Group or User")
    name = takeCommandUser()
    speak("Enter Your Message")
    msg = takeCommandMessage()
    count = 1
    user = driver.find_element_by_xpath('//span[@title = "{}"]'.format(name))
    user.click()
    msg_box = driver.find_element_by_class_name('_3u328')
    for i in range(count):
        msg_box.send_keys(msg)
        button = driver.find_element_by_class_name('_3M-N-')
        button.click()

elif "stackoverflow " in query:
    speak("Stackoverflow khola ja rha h")
    webbrowser.open("stackoverflow.com")

elif 'play music' in query or "play song" in query or "gaana" in query or "song" in query:
    #music_dir = "G:\Song"
    username = getpass.getuser()
    music_dir = "C:\\Users\\\\"+username+"\\Music"
    songs = os.listdir(music_dir)
```



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elif 'email to gaurav' in query:
    try:
        content = takeCommandContent()
        to = "gauravkumarjha27@gmail.com"
        sendEmail(to, content)
        speak("Email has been sent!")
    except Exception as e:
        print(e)
        speak("I am not able to send this email")

elif 'how are you' in query:
    speak("I am fine , Thank you")
    speak("How are you, Sir")

elif "change my name to" in query:
    query=query.replace("change my name to","")
    assname=query

elif "change name" in query:
    speak("What would you like to call me ,Sir ")
    assname = takeCommand()
    speak("Thanks for naming me")

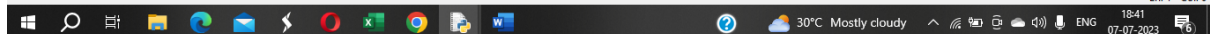
elif "what's your name" in query or "What is your name" in query:
    speak("My friends call me")
    speak(assname)
    print("My friends call me",assname)

elif 'exit' in query:
    speak("Thanks for giving me your time")
    exit()

elif "who made you" in query or "who created you" in query:
    speak("I have been created by Gaurav.")

elif 'joke' in query:
    speak(pyjokes.get_joke())

elif "calculate" in query:
    app_id = "Wolfram Alpha API"
    #url = "https://www.wolframalpha.com/api/v1/appid/" + app_id + "&input=" + query + "&output=json"
```



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    speak("It is 7th sense that destroy all other senses")

    elif "who are you" in query:
        speak("I am your virtual assistant created by Gaurav")

    elif 'reason for you' in query:
        speak("I was created as a Minor project by Mister Gaurav ")

    elif 'change background' in query:
        ctypes.windll.user32.SystemParametersInfoW(20, 0, "C:\\Users\\GAURAV\\OneDrive\\Minor Project\\Voice\\back.jpg", 0)
        speak("Background changed successfully")

    elif 'open bluestack' in query:
        appli = "C:\\ProgramData\\BlueStacks\\Client\\Bluestacks.exe"
        os.startfile(appli)

    elif 'google news' in query:
        try:
            jsonObj = urlopen('https://newsapi.org/v2/top-headlines?sources=google-news-in&apiKey=Google news API key')
            data = json.load(jsonObj)
            i = 1
            speak('')
            print('=====Google News=====')
            for item in data['articles']:
                print(str(i) + '. ' + item['title'] + '\n')
                print(item['description'] + '\n')
                speak(str(i) + '. ' + item['title'] + '\n')
                i += 1
            except Exception as e:
                print(str(e))

    elif "bbc news" in query:
        try:
            main_url = "https://newsapi.org/v1/articles?source=bbc-news&sortBy=top&apiKey=BBC News API key"
            open_bbc_page = requests.get(main_url).json()
            article = open_bbc_page["articles"]
            results = []
            for ar in article:
                results.append(ar["title"])
            for i in range(len(results)):
                print(i + 1, results[i])
            print('=====')
            speak('')
            for i in range(len(results)):
                speak(str(i + 1) + '. ' + results[i] + '\n')
                i += 1
        except Exception as e:
            print(str(e))
            speak("Error occurred while fetching news")

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    elif "camera" in query or "take a photo" in query:
        ec.capture(0, "Jarvis Camera ", "img.jpg")

    elif "restart" in query:
        subprocess.call(["shutdown", "/r"])

    elif "hibernate" in query or "sleep" in query:
        speak("Hibernating")
        subprocess.call(["shutdown /i /h"])

    elif "log off" in query or "sign out" in query:
        speak("Make sure all the application are closed before sign-out")
        time.sleep(5)
        subprocess.call(["shutdown", "/l"])

    elif "countdown of" in query:
        query = int(query.replace("countdown of ", ""))
        countdown(query)

    elif "write a note" in query:
        speak("What should i write , sir")
        note = takeCommand()
        file = open('jarvis.txt', 'w')
        speak("Sir, Should i include date and time")
        snfm = takeCommand()
        if 'yes' in snfm or 'sure' in snfm:
            strTime = datetime.datetime.now().strftime("%H:%M:%S")
            file.write(strTime)
            file.write(" :- ")
            file.write(note)
        else:
            file.write(note)

    elif "show note" in query:
        speak("Showing Notes")
        file = open("jarvis.txt", "r")
        print(file.read())
        speak(file.read(6))

    elif "update assistant" in query:
        speak("Updating assistant...")
        os.system("python voice_assistant.py")
        speak("Assistant updated successfully")

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current_temperature = y["temp"]
current_pressure = y["pressure"]
current_humidity = y["humidity"]
z = x["weather"]
weather_description = z[0]["description"]
print(" Temperature (in kelvin unit) = " +str(current_temperature)+"\n atmospheric pressure (in hPa unit) =" +str(current_pressure) +"\n humidity (in pe
else:
    speak(" City Not Found ")

elif "wikipedia" in query:
    webbrowser.open("wikipedia.com")

elif "will you be my gf" in query or "will you be my bf" in query:    #most asked question from google Assistant
    speak("I'm not sure about , may be you should give me some time")

elif "how are you" in query:
    speak("I'm fine, glad you asked me that")

elif "i love you" in query:
    speak("It's hard to understand")

elif "what is" in query or "who is" in query:
    client= wolframalpha.Client("WOLframe Alpha API key")
    res = client.query(query)
    try:
        print(next(res.results).text)
        speak(next(res.results).text)
    except StopIteration:
        print ("No results")

elif "open Gmail" in query:
    webbrowser.open("https://mail.google.com/mail/u/0/#inbox")

elif "open yahoo mail" in query:
    webbrowser.open("https://in.mail.yahoo.com")

elif "Show project Report" in query:
    speak("Opening Minor Project Report")
    projectre= r"C:\Users\GAURAV\Desktop\Minor Project\Presentation\Project Report.docx"
    os.startfile(projectre)
```

```
"Python 3.9.0 Shell"
File Edit Shell Debug Options Window Help

#####
Listening...
Recognizing...
result2:
{
  'alternative': [{'confidence': 0.88687539, 'transcript': 'yes'}],
  'final': True
}
User said: yes

('The world is not what we wish it to be. It is what it is. No, I have over-assumed. Perhaps it is indeed what we wish it to be. Either way, it is what it is.', 'Rober
t A. Heinlein')
Listening...
Recognizing...
result2:
{
  'alternative': [
    {
      'confidence': 0.88687533,
      'transcript': 'can you open the Google'},
    {
      'transcript': 'Ken you open the Google'},
    {
      'transcript': 'can you open the gugel'},
    {
      'transcript': 'Kan you open the Google'},
    {
      'transcript': 'came you open the Google'}],
  'final': True
}
User said: can you open the Google

Listening...
Recognizing...
result2:
{
  'alternative': [
    {
      'confidence': 0.88687539, 'transcript': 'open Google'},
    {
      'transcript': 'Open Google'},
    {
      'transcript': 'open gugel'},
    {
      'transcript': 'augpen Google'},
    {
      'transcript': 'open googol'}],
  'final': True
}
User said: open Google

Listening...
Recognizing...
result2:
[]

Unable to Recognizing your voice.
Listening...
```