CODE

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import random
from datetime import datetime
import webbrowser
import pyttsx3
import requests, json
import wikipedia
from GoogleNews import GoogleNews
from playsound import playsound
import phonenumbers
from phonenumbers import carrier, geocoder, timezone
import speech_recognition as sr
speech = sr.Recognizer()
print('Python is listening...')
with sr.Microphone() as source:
    speech.adjust_for_ambient_noise(source)
    audio = speech.listen(source)
    inp = speech.recognize_google(audio)
print(f'You just said {inp}.')

engine = pyttsx3.init()
voices = engine.getProperty('voices')
engine.setProperty('voice', voices[0].id)
volume = engine.getProperty('volume')
engine.setProperty('volume', 10.0)
rate = engine.getProperty('rate')
engine.setProperty('rate', rate - 100)
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greetings = ['hey there', 'hello', 'hi', 'Hai', 'hey!', 'hey']

question = ['How are you?', 'How are you doing?','how are you']

responses = ['Okay', "I'm fine"]

var1 = ['who made you', 'who created you','created']

var2 = ['I_was_created_by_apoorva_and_swetha_right_in_her_computer.', 'apoorva and swetha', 'Some_guy_whom_i_never_got_to_know.']

var3 = ['what time is it', 'what is the time', 'time','date', 'what is the date today','date and time']

var4 = ['who are you', 'what is you name']

cmd1 = ['open browser', 'open google']

cmd2 = ['play music', 'play songs', 'play a song', 'open music player','music' , 'song']

cmd3 = ['tell a joke', 'tell me a joke', 'say something funny', 'tell something funny','joke']

jokes = ['Can a kangaroo jump higher than a house? Of course, a house doesn’t jump at all.', 'My dog used to chase people on a bike a lot. It got so bad, finally I had to take his bike away.', 'Doctor: Im sorry but you suffer from a terminal illness and have only 10 to live.Patient: What do you mean, 10? 10 what? Months? Weeks?!"Doctor: Nine.']

cmd4 = ['open youtube', 'i want to watch a video','youtube']

cmd5 = ['tell me the weather', 'weather', 'what about the weather']

cmd6 = ['exit', 'close', 'goodbye', 'nothing']

cmd7 = ['what is your color', 'what is your colour', 'your color', 'your color?']

colrep = ['Right now its rainbow', 'Right now its transparent', 'Right now its non chromatic']

cmd8 = ['what is you favourite colour', 'what is your favourite color']

cmd9 = ['thank you']

repfr9 = ['youre welcome', 'glad i could help you']

no=['discover network','find network','network']

count=['news update','todays news','headlines','news today','news']



if inp in greetings:

    random_greeting = random.choice(greetings)
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        print(random_greeting)
        engine.say(random_greeting)
        engine.runAndWait()
    elif inp in question:
        engine.say('I am fine')
        engine.runAndWait()
        print('I am fine')
    elif inp in var1:
        engine.say('I was made by tom and jerry')
        print('I was made by tom and jerry')
        engine.runAndWait()
        reply = random.choice(var2)
        print(reply)
    elif inp in cmd9:
        print(random.choice(repfr9))
        engine.say(random.choice(repfr9))
        engine.runAndWait()
    elif inp in cmd7:
        print(random.choice(colrep))
        engine.say(random.choice(colrep))
        engine.runAndWait()
        print('It keeps changing every micro second')
        engine.say('It keeps changing every micro second')
        engine.runAndWait()
    elif inp in cmd8:
        print(random.choice(colrep))
        engine.say(random.choice(colrep))
        engine.runAndWait()
```

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        print('It keeps changing every micro second')
        engine.say('It keeps changing every micro second')
        engine.runAndWait()
    elif inp in cmd2:
        playsound("Aye-Sinamika.mp3")
    elif inp in var4:
        engine.say('I am mepcobot your personal AI assistant')
        print('I am mepcobot your personal AI assistant')
        engine.runAndWait()
    elif inp in cmd4:
        webbrowser.open('www.youtube.com')
    elif inp in cmd6:
        print('see you later')
        engine.say('see you later')
        engine.runAndWait()
        exit()
    elif inp in cmd5:
        api_key = "Your_API_Key"
        base_url = "http://api.openweathermap.org/data/2.5/weather?"
        city_name = input("Enter city name : ")
        complete_url = base_url + "appid=" + api_key + "&q=" + city_name
        response = requests.get(complete_url)
        x = response.json()
        if x['cod'] != "404":
            y = x['cod']
            current_temperature = y["temp"]
            current_pressure = y["pressure"]
            current_humidity = y["humidity"]
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        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 percentage) = " + str(current_humidity) + "\n description = " + str(weather_description))
    else:
        print(' City Not Found ')
elif inp in var3:
    now = datetime.now()
    print("now =", now)
    engine.say("now =", now)
    dt_string = now.strftime("%d/%m/%Y %H:%M:%S")
    print("date and time =", dt_string)
    engine.say("date and time =", dt_string)
    engine.runAndWait()
elif inp in cmd1:
    webbrowser.open('www.google.com')
elif inp in cmd3:
    jokrep = random.choice(jokes)
    print(jokrep)
    engine.say(jokrep)
    engine.runAndWait()
elif inp in no:
    mobileNo = input("Enter mobile number with country code:")
    mobileNo = phonenumbers.parse(mobileNo)
    engine.say(timezone.time_zones_for_number(mobileNo))
    engine.runAndWait()
    engine.say(carrier.name_for_number(mobileNo, "en"))
    engine.runAndWait()
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        engine.say(geocoder.description_for_number(mobileNo, "en"))
        engine.runAndWait()
        engine.say("Valid Mobile number :",phonenumbers.is_valid_number(mobileNo))
        engine.runAndWait()
        print("Checking possibility of Mobile number :",
phonenumbers.is_possible_number(mobileNo))
        engine.runAndWait()
        engine.say(phonenumbers.is_possible_number(mobileNo))
        engine.runAndWait()

        print(timezone.time_zones_for_number(mobileNo))
        print(carrier.name_for_number(mobileNo, "en"))
        print(geocoder.description_for_number(mobileNo, "en"))
        print("Valid Mobile number :",phonenumbers.is_valid_number(mobileNo))



elif inp in count:
        googlenews = GoogleNews()
        googlenews = GoogleNews(period='7d')
        country = input("Enter the country name: ")
        country = googlenews.search(country)

        result=googlenews.result()
        for x in result:

            engine.say("-"*50)
            print("-"*50)
            engine.say(x['title'])
            print("Title--",x['title'])
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            engine.say( x['date'])
            print("Date/Time--", x['date'])
            engine.say(x['desc'])
            print("Description--", x['desc'])
            engine.say(x['link'])
            print("Link--", x['link'])


else:

        webbrowser.open_new("https://google.com/search?q=" + inp)
        engine.say("please wait")
        engine.runAndWait()
        print(wikipedia.summary(speech.recognize_google(audio)))
        engine.say(wikipedia.summary(speech.recognize_google(audio)))
        engine.runAndWait()
        engine.runAndWait()
```