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CLASS:-XII-A

ROLLNO:-2



HARDWARE REQUIREMENTS:- EARPHONE OR HEADPHONE WITH MIC TO GIVE COMMAND TO JARVIS, EXTERNAL SPEAKER to HEAR THE JARVIS SOUND

SOFTWARE REQUIREMENTS:-PYTHON 3.7 AND USE PYCHARM OR VISUAL STUDIO CODE FOR BEST INTERFACE

MODULES YOU NEED TO INSTALL FOR THIS PROGRAM

* PIP INSTALL PYAUDIO
* PIP INSTALL SPEECH RECOGNITION
* PIP INSTALL pygame
* PIP INSTALL WEBBROWSER
* PIP INSTALL WIKIPEDIA
* PIP INSTALL PYTTSX3
* PIP INSTALL WolframAlpha

DEBUGGING

ERROR WHILE INSTALLING PIP INSTALL PYAUDIO AND HOW TO FIX IT

TYPE ON CMDpip install - -upgrade setuptools

THEN AGAIN TYPE:

pip install pipwin

pipwin install pyaudio

I HAVE REFER THIS WEBSITE <https://stackoverflow.com/questions/52283840/i-cant-install-pyaudio-on-my-python-how-to-do-it>

#JARVIS PROGRAM 1

import pyaudio

import speech\_recognition as sr

from pygame import mixer

import os

import random

import socket

import webbrowser

import subprocess

import glob

from time import localtime, strftime

import speekmodule

doss = os.getcwd()

i=0

n=0

INFO = '''

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|.....JARVISE VIRTUAL INTELLIGENCE......|

+---------------------------------------+

|#Author:Aditya singh |

|#Date: 15/09/2019 |

|#Changing the Description of this tool |

| Won't made you the coder |

|#EAT CODE SLEEP REPEAT |

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|.....JARVISE VIRTUAL INTELLIGENCE......|

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| OPTIONS: |

|#hello/hi #goodbye #sleep mode |

|#your name #jarvis #what time |

|#asite.com #next music #music |

|#pause music #wifi #thank you |

|#start/stop someapp |

|#pip install/uninstall anapp |

|#googlemaps tanyplace |

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'''

print(INFO)

# JARVIS'S EARS========================================================================================================== SENSITIVE BRAIN

# obtain audio

while (i<1):

r = sr.Recognizer()

with sr.Microphone() as source:

audio = r.adjust\_for\_ambient\_noise(source)

n=(n+1)

print("Say something!")

audio = r.listen(source)

# interprete audio (Google Speech Recognition)

try:

s = (r.recognize\_google(audio))

message = (s.lower())

print (message)

# POLITE JARVIS ============================================================================================================= BRAIN 1

if ('goodbye') in message:

rand = ['Goodbye Sir', 'Jarvis powering off in 3, 2, 1, 0']

speekmodule.speek(rand,n,mixer)

break

if ('hello') in message or ('hi') in message:

rand = ['Wellcome to Jarvis virtual intelligence project. At your service sir.']

speekmodule.speek(rand,n,mixer)

if ('thanks') in message or ('tanks') in message or ('thank you') in message:

rand = ['You are wellcome', 'no problem']

speekmodule.speek(rand,n,mixer)

if message == ('jarvis'):

rand = ['Yes Sir?', 'What can I doo for you sir?']

speekmodule.speek(rand,n,mixer)

if ('how are you') in message or ('and you') in message or ('are you okay') in message:

rand = ['Fine thank you']

speekmodule.speek(rand,n,mixer)

if ('\*') in message:

rand = ['Be polite please']

speekmodule.speek(rand,n,mixer)

if ('your name') in message:

rand = ['My name is Jarvis, at your service sir']

speekmodule.speek(rand,n,mixer)

# USEFUL JARVIS ============================================================================================================= BRAIN 2

if ('wi-fi') in message:

REMOTE\_SERVER = "www.google.com"

speekmodule.wifi()

rand = ['We are connected']

speekmodule.speek(rand,n,mixer)

if ('.com') in message :

rand = ['Opening' + message]

Chrome = ("C:/Program Files (x86)/Google/Chrome/Application/chrome.exe %s")

speekmodule.speek(rand,n,mixer)

webbrowser.get(Chrome).open('http://www.'+message)

print ('')

if ('google maps') in message:

query = message

stopwords = ['google', 'maps']

querywords = query.split()

resultwords = [word for word in querywords if word.lower() not in stopwords]

result = ''.join(resultwords)

Chrome = ("C:/Program Files (x86)/Google/Chrome/Application/chrome.exe %s")

webbrowser.get(Chrome).open("https://www.google.be/maps/place/"+result+"/")

rand = [result+'on google maps']

speekmodule.speek(rand,n,mixer)

if message != ('start music') and ('start') in message:

query = message

stopwords = ['start']

querywords = query.split()

resultwords = [word for word in querywords if word.lower() not in stopwords]

result = ''.join(resultwords)

os.system('start ' + result)

rand = [('starting '+result)]

speekmodule.speek(rand,n,mixer)

if message != ('stop music') and ('stop') in message:

query = message

stopwords = ['stop']

querywords = query.split()

resultwords = [word for word in querywords if word.lower() not in stopwords]

result = ''.join(resultwords)

os.system('taskkill /im ' + result + '.exe /f')

rand = [('stopping '+result)]

speekmodule.speek(rand,n,mixer)

if ('install') in message:

query = message

stopwords = ['install']

querywords = query.split()

resultwords = [word for word in querywords if word.lower() not in stopwords]

result = ''.join(resultwords)

rand = [('installing '+result)]

speekmodule.speek(rand,n,mixer)

os.system('python -m pip install ' + result)

if ('sleep mode') in message:

rand = ['good night']

speekmodule.speek(rand,n,mixer)

os.system('rundll32.exe powrprof.dll,SetSuspendState 0,1,0')

if ('music') in message:

mus = random.choice(glob.glob(doss + "\\music" + "\\\*.mp3"))

os.system('chown -R user-id:group-id mus')

os.system('start ' + mus)

rand = ['start playing']

speekmodule.speek(rand,n,mixer)

if ('what time') in message:

tim = strftime("%X", localtime())

rand = [tim]

speekmodule.speek(rand,n,mixer)

# exceptions

except sr.UnknownValueError:

print("$could not understand audio")

except sr.RequestError as e:

print("Could not request results$; {0}".format(e))



#JARVIS PROGRAM 2

import pyttsx3

import webbrowser

import smtplib

import random

import speech\_recognition as sr

import wikipedia

import datetime

import wolframalpha

import os

import sys

engine = pyttsx3.init('sapi5')

client = wolframalpha.Client('QAEXLK-RY9HY2PHAT')

voices = engine.getProperty('voices')

engine.setProperty('voice', voices[len(voices)-1].id)

def speak(audio):

print('Computer: ' + audio)

engine.say(audio)

engine.runAndWait()

def greetMe():

currentH = int(datetime.datetime.now().hour)

if currentH >= 0 and currentH < 12:

speak('Good Morning!')

if currentH >= 12 and currentH < 18:

speak('Good Afternoon!')

if currentH >= 18 and currentH !=0:

speak('Good Evening!')

greetMe()

speak('Hello hacker, I am your personal assistant!')

speak('How may I help you?')

def myCommand():

r = sr.Recognizer()

with sr.Microphone() as source:

print("Listening...")

r.pause\_threshold = 1

audio = r.listen(source)

try:

query = r.recognize\_google(audio, language='en-in')

print('User: ' + query + '\n')

except sr.UnknownValueError:

speak('Sorry aditya! I didn\'t get that! Try typing the command!')

query = str(input('Command: '))

return query

if \_\_name\_\_ == '\_\_main\_\_':

while True:

query = myCommand();

query = query.lower()

if 'open youtube' in query:

speak('okay')

webbrowser.open('www.youtube.com')

elif 'open google' in query:

speak('okay')

webbrowser.open('www.google.co.in')

elif 'open gmail' in query:

speak('okay')

webbrowser.open('www.gmail.com')

elif "what\'s up" in query or 'how are you' in query:

stMsgs = ['Just doing my thing!', 'I am fine!', 'Nice!', 'I am nice and full of energy']

speak(random.choice(stMsgs))

elif 'email' in query:

speak('Who is the sender? ')

sender = myCommand()

if 'I am' in sender:

try:

speak("Please Enter Email address of Recipient.")

Recipient\_user = input("User: ")

speak('What should I say? ')

content = myCommand()

server = smtplib.SMTP('smtp.gmail.com', 587)

server.ehlo()

server.starttls()

server.login("YOUREMAIL@GMAIL.COM", 'YOURPASSWORD')

server.sendmail('YOUREMAIL@GMAIL.COM', Recipient\_user, content)

server.close()

speak('Email sent!')

except:

speak('Sorry aditya! I am unable to send your message at this moment!')

elif 'nothing' in query or 'abort' in query or 'stop' in query:

speak('okay')

speak('Bye aditya, have a good day.')

sys.exit()

elif 'hello' in query:

speak('Hello aditya')

elif 'bye' in query:

speak('Bye aditya, have a good day.')

sys.exit()

elif 'play music' in query:

music\_folder = 'D:\\jarvis music'

music = [music1, music2, music3, music4, music5]

random\_music = music\_folder + random.choice(music) + '.mp3'

os.system(random\_music)

speak('Okay, here is your music! Enjoy!')

else:

query = query

speak('Searching...')

try:

try:

res = client.query(query)

results = next(res.results).text

speak('WOLFRAM-ALPHA says - ')

speak('Got it.')

speak(results)

except:

results = wikipedia.summary(query, sentences=2)

speak('Got it.')

speak('WIKIPEDIA says - ')

speak(results)

except:

webbrowser.open('www.google.com')

speak('Next Command! Aditya!')