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#part1: Take user voice an convert it to text
#part2: Process the text and give some results->text
#part3: convert results(text) into voice

#part1(speech regonition)
import speech_recognition as sr
import pyttsx3
import pywhatkit
import wikipedia
from datetime import datetime
import pyjokes


def talk(answer):
    engine = pyttsx3.init()
    voices = engine.getProperty('voices')
    engine.setProperty('voice', voices[1].id)
    engine.say(answer)
    engine.runAndWait()

def processQuestion(question):
    if 'what are you doing' in question:
        print('I am waiting for your question')
        talk("I am waiting for your question")
        return True

    elif 'how are you' in question:
        print('I am good, thank you. How can I help you?')
        talk('I am good, thank you. How can I help you?')
        return True
    elif 'play' in question:
        question = question.replace('play', '')
        pywhatkit.playonyt(question)
        return True
    elif 'who is' in question:
        question = question.replace('who is', '')
        print(wikipedia.summary(question, 2))
        talk(wikipedia.summary(question, 2))
        return True
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40      elif "time" in question:
41          time = datetime.today().time().strftime("%I:%
    M %p")
42          print(time)
43          talk(time)
44          return True
45      elif "joke" in question:
46          joke = pyjokes.get_joke()
47          print(joke)
48          talk(joke)
49          return True
50      elif "love you" in question:
51          talk("Chepputo kodata")
52          return True
53      elif "bye" in question:
54          talk("Bye bye, please take care. will meet
    you again later")
55          return False
56      else:
57          print("I didn't get your question, can you
    say that again")
58          return True
59
60  def getQuestion():
61      r = sr.Recognizer()
62      with sr.Microphone() as source:
63              print('Say something')
64              audio = r.listen(source)
65              try:
66                  print(r.recognize_google(audio))
67                  question = r.recognize_google(audio)
68                  if 'Alexa' in question:
69                      question = question.replace('
    Alexa','')
70                      print(question)
71                      return question
72                  else:
73                      print('You are not talking with
    me, please carry on')
74                      return "notwithme"
75
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            except sr.UnknownValueError:
                print("Sorry, I can't get your question")

canAskQuestion = True
while canAskQuestion:
    question = getQuestion()
    if(question=="notwithme"):
        talk("Ok carry on with your friends, bye!")
        canAskQuestion=False
    else:
        canAskQuestion = processQuestion(question)
```