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In [1]: ##conda install -c conda-forge speechrecognition (voice recognition)
##conda install PyAudio (needed for speech recognition)
##conda install pip
##pip install pyttsx3 (text to speech)
##pip install pywhatkit (advance control on browser)
##pip install wikipedia
##pip install pyjokes
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In [2]: import speech_recognition as sr
import pyttsx3
import pywhatkit
import datetime
import wikipedia
import pyjokes
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In [3]: command=''
listener = sr.Recognizer()
engine = pyttsx3.init()
voices=engine.getProperty('voices')
#i=0
#for voice in voices:
#    if "en" in voice.id:
#        print(i)
#        print(voice.id)
#    i+=1
engine.setProperty('voice', voices[11].id)
##engine.say('The quick brown fox jumped over the lazy dog.')
##engine.runAndWait()
##print(" - Languages: %s" % voices[0].languages)
##print('lan'+engine.getProperty('languages'))
#with sr.Microphone() as source:
#    print('listenning...')
#    voice=listener.listen(source)
#    command=listener.recognize_google(voice)
#    ##command=command.lower
#    print(command)
#time=''
#if 'play' in command:
#    time=datetime.datetime.now().strftime('%I:%M %p')
#engine.say(time)
#print('engine'+time)
#engine.runAndWait()
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In [4]: def talk(text):
engine.say(text)
engine.runAndWait()
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In [5]: def take_command():
try:
    with sr.Microphone() as source:
        print('listenning...')
        voice=listener.listen(source)
        command=listener.recognize_google(voice)
        ##command=command.lower
        if 'alexa' in command:
            command = command.replace('alexa','')
        print(command)
except:
    pass
return command
```

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In [8]: def run_alexa():
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com=take_command()
print(com)
if 'play' in com:
    song=com.replace('play','')
    talk('playing'+song)
    pywhatkit.playonyt(song)
elif 'time' in com:
    time=datetime.datetime.now().strftime('%I:%M %p')
    talk('Current time is '+time)
elif 'who is' in com:
    person=com.replace('who is','')
    info=wikipedia.summary(person,1)
    print(info)
    talk(info)
elif 'joke' in com:
    talk(pyjokes.get_joke())
else:
    talk('I could not get you, could you please repeat')
    run_alexa()

```

In [10]: run_alexa()

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ALSA lib pcm_dsnoop.c:606:(snd_pcm_dsnoop_open) unable to open slave
ALSA lib pcm_dmix.c:1029:(snd_pcm_dmix_open) unable to open slave
ALSA lib pcm.c:2266:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
ALSA lib pcm.c:2266:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
ALSA lib pcm.c:2266:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
ALSA lib pcm_dmix.c:1029:(snd_pcm_dmix_open) unable to open slave
ALSA lib pcm_dsnoop.c:606:(snd_pcm_dsnoop_open) unable to open slave
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ALSA lib pcm.c:2266:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
ALSA lib pcm_dmix.c:1029:(snd_pcm_dmix_open) unable to open slave
listenning...
joke
joke

```