In [22]:

```
import speech_recognition as sr
import pyttsx3
import pywhatkit
import datetime
import wikipedia
import pyjokes

listener = sr.Recognizer()
engine = pyttsx3.init()
voices = engine.getProperty("voices")
engine.setProperty("voice", voices[1].id)

# Adjust the rate to slow down the voice
engine.setProperty("rate", 125)  # You can experiment with different values here

def talk(text):
    engine.say(text)
    engine.runAndWait()

def alexa_command():
    try:
        with sr.Microphone() as source:
            print("Listening...")
            voice = listener.listen(source)
            command = listener.recognize_google(voice)
            command = command.lower()
            if "hey alexa" in command:
                command = command.replace("hey alexa", "")
                print(command)
    except:
        pass
    return command

def run_alexa():
    command = alexa_command()
    print(command)
    if "youtube" in command:
        song = command.replace("youtube", "")
        talk("Playing " + song)
        pywhatkit.playonyt(song)
    elif "time" in command:
        time = datetime.datetime.now().strftime("%H:%M")
        print(time)
        talk("Current time is " + time)
    elif "who" in command:
        person = command.replace("who", "")
        info = wikipedia.summary(person, 2)
        print(info)
        talk(info)
    elif "joke" in command:
        talk(pyjokes.get_joke())

run_alexa()
```

```
Listening...
alexa please tell me a joke
```

In [23]:

```
import speech_recognition as sr
import pyttsx3
import pywhatkit
import datetime
import wikipedia
import pyjokes

listener = sr.Recognizer()
engine = pyttsx3.init()
voices = engine.getProperty("voices")
engine.setProperty("voice", voices[1].id)

engine.setProperty("rate", 125)  # # adjusting rate of alexa

def talk(text):
    engine.say(text)
    engine.runAndWait()

def alexa_command():
    try:
        with sr.Microphone() as source:
            print("Listening...")
            voice = listener.listen(source)
            command = listener.recognize_google(voice)
            command = command.lower()
            if "hey alexa" in command:
                command = command.replace("hey alexa", "")
                print(command)
    except:
        pass
    return command

def run_alexa():
    while True:
        command = alexa_command()
        print(command)
        if "alexa stop" in command:
            talk("Goodbye!")
            break
        elif "youtube" in command:
            song = command.replace("youtube", "")
            talk("Playing " + song)
            pywhatkit.playonyt(song)
        elif "time" in command:
            time = datetime.datetime.now().strftime("%H:%M")
            print(time)
            talk("Current time is " + time)
        elif "who" in command:
            # Extract the person's name after "who"
            person = command.split("who", 1)[1].strip()
            info = wikipedia.summary(person, 2)
            print(info)
            talk(info)
        elif "joke" in command:
            talk(pyjokes.get_joke())

if __name__ == "__main__":
    run_alexa()
```

```
Listening...
alexa what is the time
16:18
Listening...
alexa stop
```

In [ ]: