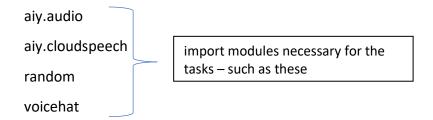
This program will *hopefully* perform a task requested by the User (tell a joke or sing a random song or recite a poem or tell them the weather) in a predefined accent, like Siri does for Apple:



joke = (lots of different jokes here as a tuple list)
song = (lots of different songs here as a tuple list)
etc.

Declare variables with tuple lists that can be called on – using the random module, retrieve random tuples from the lists.

User presses button

Turn on

Ask "what is your name?" and store as userName.

Say "Hello + userName, my name is I can speak with a number of different accents; would you like to change my accent?"

```
if "yes" or "yeah" in text:

"Ok what accept do you wan
```

"Ok, what accent do you want me to speak with?"

if "english" in text:

change accent to english using library

elif "japanese" in text:

change accent to japanese using

library

continue this with 10-20 accents

else:

"sorry, I can't do that accent"

break loop

else:

"Ok."

Break loop

See if the user wants the AI to speak in any specific accents

```
say "What would you like me to do today? I can (list all things possible)"
while True: (big loop)
                                                                              Ask the user
       if "joke" in text:
                                                                              what they want
                                                                              the AI to do –
               access random joke in tuple list and say to user.
                                                                              tell a joke or do
               ask if they want another joke or something else.
                                                                              some maths or
                                                                              sing a song or
               if another joke, access random joke in tuple list again.
                                                                              say the weather
               if something else, break loop.
                                                                              or repeat what
                                                                              [the user] says
       elif "song" in text:
               access random song in tuple list and say to user.
               ask if they want another song or something else.
               if another song, access random joke in tuple list again.
               if something else, break loop.
       elif "math" in text:
               ask if they want to add, subtract, multiply or divide the numbers
               if "add" in text:
                       state 2 random numbers between 1 and 100
                       say "number1 + number2 ="
                       listen for the result from the user (for a few seconds)
                       if correct:
                              say "you're correct, but I got it before you"
                       else:
                              say "... is not the correct answer. I am so much cleverer than
you."
               elif "subtract" in text, etc. (with division, and multiplication too)
               else:
                       say "sorry, I can't do that."
                       break loop
       elif "weather" in text:
               say "ok, I can find you the weather of any city in the world. What city would
you like to hear about today?"
```

```
use weather key, define weather, use the internet to find:
                      temperature
                      country of city
                      weather
              say "the weather in (city), (country) is (weather). the temperature is currently
(temperature) degrees."
                      break loop
       elif "repeat" in text:
              say "this can help you if you want to remember something. Sometimes it's
better to say what you know out loud and hear it, so that it really sinks in."
              say "please, tell me something you want to hear"
              listen to text
              say text back to the user
              break loop
       else:
              say "sorry, I don't think I can do that. Is there something else you want me to
do?"
              if "yes" in text:
                      repeat long loop
              elif "no" in text:
                      say "Ok, bye. Hope to see you soon."
                      Break loop
```

DOCUMENTATION WHICH I COMPILED USING THE INTERNET AND THE MAGPI BOOKLET BEFORE STARTING THE REAL CODE

```
from gtts import gTTS
import aiy.cloudspeech
# this makes it recognise what you say and speak
recognizer = aiy.cloudspeech.get_recognizer()
aiy.audio.get recorder().start() # makes it start recording
aiy.audio.say("Hi, what is your name?")
myName = recognizer.recognize()
aiy.audio.say("Hi, " + myName)
# this changes the button's state - can start as off, then change
led = aiy.voicehat.get led()
led.set state(aiy.voicehat.LED.ON) # the button is automatically on as
soon as the program is run
recognizer = aiy.cloudspeech.get recognizer()
aiy.audio.say("Listening...")
aiy.audio.get recorder().start() # start recording
       led.set state(aiy.voicehat.LED.BLINK)
# this is how you do multiple things
aiy.audio.get recorder().start()
myAIBuddy = "Sky Net"
aiy.audio.say("Hello, my name is " + myAIBuddy)
aiy.audio.say("I am waiting for your instructions.")
        aiv.audio.sav("{0} multiplied by {1} equals".format(x,y)) #use
```

```
format to access the 2 earlier variables
def sayBetter(text):
aiy.audio.get recorder().start()
sayBetter("hello " + myName)
# interaction with button
myButton = aiy.voicehat.get button()
WEATHER KEY = "ea600b8da132c35933164e823ef82814" # use
def weatherByCity(name):
    return requests.get(endpoint, params=payload)
internetResult = weatherByCity("Paris").json()
country = internetResult["sys"]["country"]
weather = internetResult["weather"][0]["main"]
aiy.audio.say("The weather in {0} is {1}".format(city, weather))
aiv.audio.sav("The temperature is currently {0} degrees".format(temp))
```