In [ ]:

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import smtplib
import speech_recognition as sr
from email.message import EmailMessage
import pyttsx3

# Initialize the speech recognition and text-to-speech engines
listener = sr.Recognizer()
tts = pyttsx3.init()

# Function to make the program speak
def talk(text):
    tts.say(text)
    tts.runAndWait()

# Function to listen to the microphone input
def mic(timeout=30):
    with sr.Microphone() as source:
        print("Program is listening...")
        try:
            voice = listener.listen(source, timeout=timeout)
            data = listener.recognize_google(voice)
            print(data)
            return data.lower()
        except sr.WaitTimeoutError:
            print("Timeout. Please speak again.")
            return None

# Function to get recipient information (name and email)
def get_receiver_info():
    talk("To whom do you want to send this email?")

    while True:
        # Ask for the name
        talk("Please speak the name of the recipient.")
        name = mic()
        if name:
            break

    while True:
        # Ask for the email address
        talk(f"Please speak the email address of {name}.")
        email = mic()
        if email:
            break

    # Remove spaces from the email address
    email = email.replace(" ", "")

    return name, email

# Function to send the email
def send_mail(receiver, subject, body):
    # Connect to the Gmail SMTP server
    server = smtplib.SMTP("smtp.gmail.com", 587)
    server.starttls()
    server.login("User Login Gmail", "Two step varification and then app password")

    # Create an EmailMessage object
    email = EmailMessage()
    email["From"] = "Sender Gmail-id"
    email["To"] = receiver
    email["Subject"] = subject
    email.set_content(body)
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    # Send the email
    server.send_message(email)
    server.quit()

# Main function to execute the program
def main_code():
    # Get recipient information
    name, email = get_receiver_info()

    # Update the dictionary with the new receiver information
    receiver_dict = {name: email}

    while True:
        # Ask for the subject
        talk("Please speak the subject of the email.")
        subject = mic()
        if subject:
            break

    while True:
        # Ask for the message
        talk("Please speak the message of the email.")
        body = mic()
        if body:
            break

    # Send the email
    send_mail(receiver_dict[name], subject, body)
    print("Your email has been sent!!")

# Call the main function to start the program
main_code()
```