import speech\_recognition as sr

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import pyttsx3

recognizer = sr.Recognizer()

engine = pyttsx3.init()

def speak(text):

engine.say(text)

engine.runAndWait()

def listen():

with sr.Microphone() as source:

print("Listening...")

recognizer.adjust\_for\_ambient\_noise(source)

audio = recognizer.listen(source)

try:

print("Recognizing...")

query = recognizer.recognize\_google(audio)

print(f"You said: {query}")

return query.lower()

except sr.UnknownValueError:

print("Sorry, I didn't get that.")

return ""

except sr.RequestError as e:

print(f"Sorry, an error occurred: {e}")

return ""

if \_\_name\_\_ == "\_\_main\_\_":

speak("Hello, I'm your voice assistant. How can I help you?")

while True:

query = listen()

if "hello" in query:

speak("Hi there! How can I assist you today?")

elif "goodbye" in query or "bye" in query:

speak("Goodbye! Have a great day!")

break

elif "weather" in query:

speak("It's a beautiful Tuesday morning. Sunny skies with a high of 72 degrees Fahrenheit.")

elif "run" in query:

speak("Sounds like a great plan! There's a low chance of rain, but you might want to bring some sunscreen.")

elif "calendar" in query:

speak("You have a dentist appointment at 3 pm and a team meeting at 10 am.")

elif "dentist appointment" in query:

speak("Certainly, I can set a reminder for 2:30 pm for your dentist appointment.")

elif "news" in query:

speak("The top story right now is about the launch of a new space telescope.")

speak("Would you like to hear the details?")

response = listen()

if "yes" in response:

speak("Plays a short news clip about the space telescope launch")

# Code to play the news clip goes here

elif "thank you" in query or "thanks" in query:

speak("You're welcome! Is there anything else I can help you with today?")

else:

speak("Sorry, I'm not sure how to help with that.")