from playsound import playsound

import speech\_recognition as sr

from googletrans import Translator

from gtts import gTTS

import os

dic = ('hindi', 'hi', 'marathi', 'mr', 'bengali', 'be')

def takecommand():

r = sr.Recognizer()

with sr.Microphone() as source:

print("listening.....")

r.pause\_threshold = 1

audio = r.listen(source)

try:

print("Recognizing...")

query = r.recognize\_google(audio, language='en-IN')

print(f"The user said {query}\n")

except Exception as e:

print("say that again please!!!")

return "None"

return query

query = takecommand()

while (query == "None"):

query = takecommand()

def dest():

print("Enter the language in which you want to convert: Ex. hindi, english, bengali.")

print()

to\_lang = takecommand()

while (to\_lang == "None"):

to\_lang = takecommand()

to\_lang = to\_lang.lower()

return to\_lang

to\_lang = dest()

while (to\_lang not in dic):

print("Language in which you are trying to convert is currently not available, please input some other language.")

print()

to\_lang = dest()

to\_lang = dic[dic.index(to\_lang) + 1]

translator = Translator()

text\_to\_translate = translator.translate(query, dest=to\_lang)

text = text\_to\_translate.text

speak = gTTS(text=text, lang=to\_lang, slow=False)

speak.save("captured\_voice.mp3")

playsound('captured\_voice.mp3')

os.remove('captured\_voice.mp3')

print(text)