**CODE:**//Libraries Used

!pip install SpeechRecognition pydub noisereduce

import speech\_recognition as sr

from pydub import AudioSegment

import noisereduce as nr

import os

//Function to identify Repeated Words

def identify\_stuttered\_word(text):

    words = text.split()

    repeated\_words = {}

    for word in words:

        count = words.count(word)

        if count > 1:

            repeated\_words[word] = count

    return repeated\_words

recognizer = sr.Recognizer()

from google.colab import files

uploaded = files.upload()

file\_name = next(iter(uploaded))

mp3\_audio = AudioSegment.from\_mp3(file\_name)

wav\_file = "uploaded\_audio.wav"

mp3\_audio.export(wav\_file, format="wav")

//Recognizing speech using Google Speech Recognition

try:

    with sr.AudioFile(wav\_file) as source:

        audio\_data = recognizer.record(source)

        print("Recognizing...")

        text = recognizer.recognize\_google(audio\_data)

        print("You said:", text)

        //Identifying Stuttering words

        stuttered\_words = identify\_stuttered\_word(text)

        if stuttered\_words:

            most\_stuttered\_word = max(stuttered\_words, key=stuttered\_words.get)

            print("Most stuttered word:", most\_stuttered\_word)

        else:

            print("No stuttered words found.")

except sr.UnknownValueError:

    print("Sorry, could not understand audio.")

except sr.RequestError as e:

    print("Error:", e)

//Cleaning up temporary wav file

os.remove(wav\_file)

**OUTPUT:**