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In [2]: !pip install SpeechRecognition pydub

Collecting SpeechRecognition
  Downloading SpeechRecognition-3.14.1-py3-none-any.whl.metadata (31 kB)
Collecting pydub
  Downloading pydub-0.25.1-py2.py3-none-any.whl.metadata (1.4 kB)
Requirement already satisfied: typing-extensions in c:\users\patil\anaconda3\lib\site-packages (from SpeechRecognition) (4.11.0)
Downloading SpeechRecognition-3.14.1-py3-none-any.whl (32.9 MB)
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Downloading pydub-0.25.1-py2.py3-none-any.whl (32 kB)
Installing collected packages: pydub, SpeechRecognition
Successfully installed SpeechRecognition-3.14.1 pydub-0.25.1

In [4]: import speech_recognition as sr

In [6]: filename='sample-pack-links-in-bio-sampled-stuff-288267.wav'

In [8]: r=sr.Recognizer()

In [10]: with sr.AudioFile(filename) as source:
          audio_data = r.record(source)
          text=r.recognize_google(audio_data)
          print(text)

today sound is designed to suit you entertainment
```

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In [12]: import speech_recognition as sr
import os
from pydub import AudioSegment
from pydub.silence import split_on_silence

C:\Users\patil\anaconda3\Lib\site-packages\pydub\utils.py:170: RuntimeWarning: Couldn't find ffmpeg or avconv - defaulting to ffmpeg, but may not work
warn("Couldn't find ffmpeg or avconv - defaulting to ffmpeg, but may not work", RuntimeWarning)

In [14]: r=sr.Recognizer()

In [56]: def get_large_audio_transcription(path):
          """Splitting the large audio file into chunks
          and apply speech recognition on each of these chunks"""

          sound=AudioSegment.from_wav(path)

          chunks=split_on_silence(sound,min_silence_len=500,silence_thresh=sound.dBFS-14,keep_silence=500,)

          folder_name="audio-chucks"

          if not os.path.isdir(folder_name):
              os.mkdir(folder_name)
          whole_text= " "

          for i, audio_chunk in enumerate(chunks, start=1):
              chunk_filename=os.path.join(folder_name,f'chunk{i}.wav')
              audio_chunk.export(chunk_filename,format='wav')

              with sr.AudioFile(chunk_filename) as source:
                  audio_listened=r.record(source)
                  try:
                      text=r.recognize_google(audio_listened)
                  except sr.UnknownValueError:
                      print("Google Speech Recognition could not understand audio")
                  except sr.RequestError as e:
                      print(f"Could not request results from Google Speech Recognition service; {e}")
                  else:
                      text=f"{text.capitalize()}. "
                      print(chunk_filename,":",text)
                      whole_text+=text+" "

          return whole_text
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In [58]: path = "Louis is Left Impressed With Mikes Eye to Detail _ Suits.wav"
transcription = get_large_audio_transcription(path)
print('\nFull text:', transcription)

audio-chucks\chunk1.wav : You information what exactly you don't know what you can search.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk4.wav : Tuesday.
audio-chucks\chunk5.wav : What is the capital proofing breeds why is your problem i found.
Google Speech Recognition could not understand audio
audio-chucks\chunk7.wav : What me to do it but.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk11.wav : Graduation.
Google Speech Recognition could not understand audio
audio-chucks\chunk13.wav : I want to see you again first about.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk16.wav : Thanks.
Google Speech Recognition could not understand audio
audio-chucks\chunk18.wav : Then why did you just want to hear me.
audio-chucks\chunk19.wav : Use busy.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk23.wav : Bookmark i know.
audio-chucks\chunk24.wav : I can come across a bit.
Google Speech Recognition could not understand audio
audio-chucks\chunk26.wav : Virgin here.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk30.wav : Chikni army now.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk33.wav : Who is your colour is heavy bag.
Google Speech Recognition could not understand audio
audio-chucks\chunk35.wav : Tirupati songs.
Google Speech Recognition could not understand audio
audio-chucks\chunk37.wav : Will you tell my brother.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk40.wav : Absolutely.
Google Speech Recognition could not understand audio
audio-chucks\chunk42.wav : Whatsapp.
audio-chucks\chunk43.wav : I love you work on the payment re.
audio-chucks\chunk44.wav : Specta.
audio-chucks\chunk45.wav : Human.
Google Speech Recognition could not understand audio
audio-chucks\chunk47.wav : I know millions but.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk53.wav : Thank.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk62.wav : Ayodhya poly.
audio-chucks\chunk63.wav : I work for hard.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio
audio-chucks\chunk66.wav : Mithila.
Google Speech Recognition could not understand audio
Google Speech Recognition could not understand audio

Full text: You information what exactly you don't know what you can search. Tuesday. What is the capital proofing breeds why is your problem i found. What me to do it but. Graduati
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In [ ]:
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