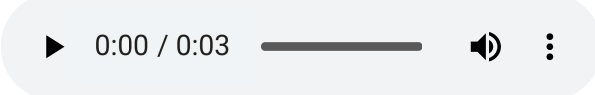


# Text to speech conversion using GTTS

In [1]: `pip install gtts #installation`

Requirement already satisfied: gtts in c:\users\arati\anaconda3\lib\site-packages (2.5.3)  
Requirement already satisfied: requests<3,>=2.27 in c:\users\arati\anaconda3\lib\site-packages (from gtts) (2.32.2)  
Requirement already satisfied: click<8.2,>=7.1 in c:\users\arati\anaconda3\lib\site-packages (from gtts) (8.1.7)  
Requirement already satisfied: colorama in c:\users\arati\anaconda3\lib\site-packages (from click<8.2,>=7.1->gtts) (0.4.6)  
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\arati\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.0.4)  
Requirement already satisfied: idna<4,>=2.5 in c:\users\arati\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (3.7)  
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\arati\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.2.2)  
Requirement already satisfied: certifi>=2017.4.17 in c:\users\arati\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2024.6.2)  
Note: you may need to restart the kernel to use updated packages.

In [5]: `from gtts import gTTS  
from IPython.display import Audio  
  
text_to_speech = gTTS('Hello Everyone I am K Arati Pradhan.')  
text_to_speech.save('text_to_speech_gtts.wav')  
sound_file = 'text_to_speech_gtts.wav'  
  
Audio(sound_file,autoplay=False)`

Out[5]: 

# Text to speect conversion using pyttsx3

Changing the Voice using pyttsx3

In [6]: `pip install pyttsx3`

Requirement already satisfied: pyttsx3 in c:\users\arati\anaconda3\lib\site-packages (2.97)  
Requirement already satisfied: comtypes in c:\users\arati\anaconda3\lib\site-packages (from pyttsx3) (1.4.7)  
Requirement already satisfied: pypiwin32 in c:\users\arati\anaconda3\lib\site-packages (from pyttsx3) (223)  
Requirement already satisfied: pywin32 in c:\users\arati\anaconda3\lib\site-packages (from pyttsx3) (305.1)  
Note: you may need to restart the kernel to use updated packages.

In [7]: `import pyttsx3  
from IPython.display import Audio`

```
text = '''Hello Everyone. I am K Arati Pradhan'''

audio = pyttsx3.init()
audio.setProperty('rate', 150)
audio.setProperty('volume', 0.8)

# change the voices
voice = audio.getProperty('voices')

# 0 for male and 1 for female
audio.setProperty('voice', voice[0].id)      # for male voice
#audio.setProperty('voice', voice[1].id)      # for female voice

# text-to speech conversion
audio.say(text)

# save the audio file
audio.save_to_file(text, 'test_male_Voice.mp3')
#audio.save_to_file(text, 'test_female_Voice.mp3')

audio.runAndWait()
```

In [ ]: