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Text to Speech conversion using GTTS

In []:

In [6]: `pip install gtts`

```
Collecting gtts
  Downloading gTTS-2.5.3-py3-none-any.whl.metadata (4.1 kB)
Requirement already satisfied: requests<3,>=2.27 in c:\users\roy62\anaconda3\lib\site-packages (from gtts) (2.32.2)
Requirement already satisfied: click<8.2,>=7.1 in c:\users\roy62\anaconda3\lib\site-packages (from gtts) (8.1.7)
Requirement already satisfied: colorama in c:\users\roy62\anaconda3\lib\site-packages (from click<8.2,>=7.1->gtts) (0.4.6)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\roy62\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\roy62\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\roy62\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.2.2)
Requirement already satisfied: certifi<2017.4.17 in c:\users\roy62\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2024.7.4)
Downloading gTTS-2.5.3-py3-none-any.whl (29 kB)
Installing collected packages: gtts
Successfully installed gtts-2.5.3
Note: you may need to restart the kernel to use updated packages.
```

```
In [22]: from gtts import gTTS
from IPython.display import Audio

text_to_speech = gTTS('Hello Everyone , This is Naveen.',lang='hi',tld='com')

text_to_speech.save('text_to_speech_gtts.wav')
sound_file = 'text_to_speech_gtts.wav'

Audio(sound_file, autoplay=False)
```

Out[22]:

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In [71]: `pip install pyttsx3`

```
Requirement already satisfied: pyttsx3 in c:\users\roy62\anaconda3\lib\site-packages (2.91)
Requirement already satisfied: comtypes in c:\users\roy62\anaconda3\lib\site-packages (from pyttsx3) (1.4.7)
Requirement already satisfied: pypiwin32 in c:\users\roy62\anaconda3\lib\site-packages (from pyttsx3) (223)
Requirement already satisfied: pywin32 in c:\users\roy62\anaconda3\lib\site-packages (from pyttsx3) (305.1)
Note: you may need to restart the kernel to use updated packages.
```

Text to Speech Conversion Using pyttsx3

Changing the Gender using pyttsx3

```
In [73]: import pyttsx3
from IPython.display import Audio

text = '''Hello Everyone , This is Naveen.'''

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 [74]: from gtts import gTTS
from IPython.display import Audio, HTML

text_to_speech = gTTS('''Hello Everyone , This is Naveen.''' , lang='hi' , tld='co
text_to_speech.save('text_to_speech_gtts.wav')

sound_file = 'text_to_speech_gtts.wav'

# Display audio player
Audio(sound_file, autoplay=False)

# Download button
HTML('<a href="{}" download="{}">Download Audio File</a>'.format(sound_file, sou
```

Out[74]: [Download Audio File](#)

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