

Text to Speech conversion using GTTS

In [10]: `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\samik\anaconda3\lib\site-packages (from gtts) (2.32.2)
Requirement already satisfied: click<8.2,>=7.1 in c:\users\samik\anaconda3\lib\site-packages (from gtts) (8.1.7)
Requirement already satisfied: colorama in c:\users\samik\anaconda3\lib\site-packages (from click<8.2,>=7.1->gtts) (0.4.6)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\samik\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\samik\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\samik\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.2.2)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\samik\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 [12]: from gtts import gTTS
        from IPython.display import Audio

        text_to_speech = gTTS('''welcome to naresh technology data science programme und
                                classes will help practice exposure to boost up technic
                                and increase learning for coding skills. we conduct this
                                both non-technical and technical learners. Thank you.'''

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

        Audio(sound_file, autoplay= False)
```

Out[12]:

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Text to Speech conversion using pyttsx3

Changing the gender using pyttsx3

In [16]: `pip install pyttsx3`

```

Collecting pyttsx3
  Downloading pyttsx3-2.97-py3-none-any.whl.metadata (3.8 kB)
Collecting comtypes (from pyttsx3)
  Downloading comtypes-1.4.7-py3-none-any.whl.metadata (6.5 kB)
Collecting pypiwin32 (from pyttsx3)
  Downloading pypiwin32-223-py3-none-any.whl.metadata (236 bytes)
Requirement already satisfied: pywin32 in c:\users\samik\anaconda3\lib\site-packages (from pyttsx3) (305.1)
Downloading pyttsx3-2.97-py3-none-any.whl (34 kB)
Downloading comtypes-1.4.7-py3-none-any.whl (226 kB)
----- 0.0/226.8 kB ? eta -:--:--
----- 143.4/226.8 kB 4.3 MB/s eta 0:00:01
----- 226.8/226.8 kB 3.5 MB/s eta 0:00:00
Downloading pypiwin32-223-py3-none-any.whl (1.7 kB)
Installing collected packages: pypiwin32, comtypes, pyttsx3
Successfully installed comtypes-1.4.7 pypiwin32-223 pyttsx3-2.97
Note: you may need to restart the kernel to use updated packages.

```

```

In [18]: import pyttsx3
        from IPython.display import Audio

        text = '''welcome to naresh technology datascience programme under prakash senap
                training will help practice exposure to boost up technical skill
                and increase learning for coding skills.
                we conduct this programme for both non-technical & technical learners. T

        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 []: