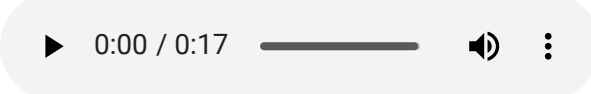# Text to Speech Conversion Using GTTS

```
In [9]:  from gtts import gTTS
         from IPython.display import Audio

         text_to_speech = gTTS('''Hello I am Prachi Singare recently completed B.Tech in Art

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

         Audio(sound_file, autoplay= False)
```

Out[9]:

▶ 0:00 / 0:17 ——————— 🔊 ⋮

Text to Speech Conversion using pyttsx3

Changing the gender using pyttsx3

```
In [ ]:  # pip install pyttsx3
```
```
Collecting pyttsx3
  Obtaining dependency information for pyttsx3 from https://files.pythonhosted.or
g/packages/84/14/9fb5842581f0419b5eb85f8c26c1c0c0f4cf6b4d5be638ae3157316a2650/pytt
sx3-2.99-py3-none-any.whl.metadata
  Using cached pyttsx3-2.99-py3-none-any.whl.metadata (6.2 kB)
Collecting comtypes (from pyttsx3)
  Obtaining dependency information for comtypes from https://files.pythonhosted.or
g/packages/f1/f4/7b7fdbb613992013c4518a0bf8fee2915f79ec07bcfa6180569bca7fa8ef/comt
ypes-1.4.11-py3-none-any.whl.metadata
  Using cached comtypes-1.4.11-py3-none-any.whl.metadata (7.2 kB)
Collecting pypiwin32 (from pyttsx3)
  Obtaining dependency information for pypiwin32 from https://files.pythonhosted.o
rg/packages/d0/1b/2f292bbd742e369a100c91faa0483172cd91a1a422a6692055ac920946c5/pyp
iwin32-223-py3-none-any.whl.metadata
  Using cached pypiwin32-223-py3-none-any.whl.metadata (236 bytes)
Requirement already satisfied: pywin32 in c:\users\prachi\anaconda3\lib\site-packa
ges (from pyttsx3) (305.1)
Using cached pyttsx3-2.99-py3-none-any.whl (32 kB)
Using cached comtypes-1.4.11-py3-none-any.whl (246 kB)
Using cached pypiwin32-223-py3-none-any.whl (1.7 kB)
Installing collected packages: pypiwin32, comtypes, pyttsx3
Successfully installed comtypes-1.4.11 pypiwin32-223 pyttsx3-2.99
Note: you may need to restart the kernel to use updated packages.
```

```
In [3]:  import pyttsx3
         from IPython.display import Audio

         text = '''welcome to naresh technology datascience programme under prakash senapati
             training will help practicle exposure to boost up technical skill
             and increase learning for coding skills.
             we conduct this programme for both non-technical & technical learners. Thar

         audio = pyttsx3.init()
```

```python
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 [ ]: