Text to Speech conversion using GTTS

```
In [2]:  pip install gTTS --no-warn-script-location
```

```
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: gTTS in c:\users\rachana jena\appdata\roaming\python\python312\site-packages (2.5.3)
Requirement already satisfied: requests<3,>=2.27 in c:\programdata\anaconda3\lib\site-packages (from gTTS) (2.32.2)
Requirement already satisfied: click<8.2,>=7.1 in c:\programdata\anaconda3\lib\site-packages (from gTTS) (8.1.7)
Requirement already satisfied: colorama in c:\programdata\anaconda3\lib\site-packages (from click<8.2,>=7.1->gTTS)
(0.4.6)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\programdata\anaconda3\lib\site-packages (from requests<
3,>=2.27->gTTS) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.27->gT
TS) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.
27->gTTS) (2.2.2)
Requirement already satisfied: certifi>=2017.4.17 in c:\programdata\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.
```
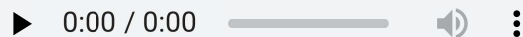
```python
In [3]:  from gtts import gTTS
         from IPython.display import Audio

         text_to_speech = gTTS('''welcome to naresh technology data science programme under prakash senapati guidance.
                               classes will help practicle exposure to boost up technical skill
                               and increase learning for coding skills. we conduct this programme for
                               both non-technical and technical learners. Thank you.''',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[3]:

▶ 0:00 / 0:00 ──────── 🔊 ⋮

Text to Speech conversion using pyttsx3

Changing the gender using pyttsx3

In [5]:
```
pip install pyttsx3 --no-warn-script-location
```

Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: pyttsx3 in c:\users\rachana jena\appdata\roaming\python\python312\site-packages (2.97)
Requirement already satisfied: comtypes in c:\users\rachana jena\appdata\roaming\python\python312\site-packages (from pyttsx3) (1.4.7)
Requirement already satisfied: pypiwin32 in c:\users\rachana jena\appdata\roaming\python\python312\site-packages (from pyttsx3) (223)
Requirement already satisfied: pywin32 in c:\programdata\anaconda3\lib\site-packages (from pyttsx3) (305.1)
Note: you may need to restart the kernel to use updated packages.

In [6]:
```python
import pyttsx3
from IPython.display import Audio

text = '''welcome to naresh technology datascience programme under prakash senapati guidance.
        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. Thank you.'''

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 [ ]: