In [1]:
```
!pip install gTTS
```

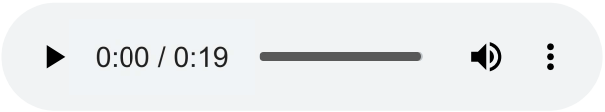
```
Requirement already satisfied: gTTS in c:\users\dell\anaconda3\lib\site-packages (2.
5.1)
Requirement already satisfied: requests<3,>=2.27 in c:\users\dell\anaconda3\lib\site
-packages (from gTTS) (2.31.0)
Requirement already satisfied: click<8.2,>=7.1 in c:\users\dell\anaconda3\lib\site-p
ackages (from gTTS) (8.1.7)
Requirement already satisfied: colorama in c:\users\dell\anaconda3\lib\site-packages
(from click<8.2,>=7.1->gTTS) (0.4.6)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\dell\anaconda3\l
ib\site-packages (from requests<3,>=2.27->gTTS) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\dell\anaconda3\lib\site-pack
ages (from requests<3,>=2.27->gTTS) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\dell\anaconda3\lib\sit
e-packages (from requests<3,>=2.27->gTTS) (2.0.7)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\dell\anaconda3\lib\sit
e-packages (from requests<3,>=2.27->gTTS) (2024.2.2)
```

In [2]:
```
from gtts import gTTS
```

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

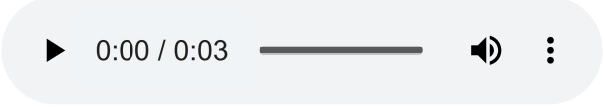
In [4]:
```
text_to_speech = gTTS('''welcome to naresh technology data science programme under
                         classes will help practicle exposure to boost up technical
                         and increase learning for coding skills. we conduct this pr
                         both non-technical and technical learners.Thank you.''',lan

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

Audio(sound_file, autoplay= False)
```

Out[4]:



In [5]:
```
text_to_speech = gTTS('''Hello non technical kavya how is your course.''',lang='en'

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

Audio(sound_file, autoplay= False)
```

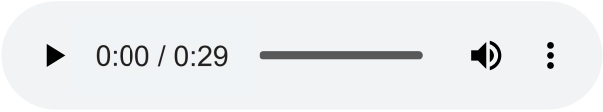
Out[5]:



In [6]:
```
from gtts import gTTS

# Telugu text to be converted to speech
text = "జన గణ మన అధినాయక జయ హే భారత భాగ్య విధాత పంజాబ్ సింధు గుజరాత్ మరా
```

```
tts = gTTS(text=text, lang='te',tld='com') # Create a gTTS object with Telugu langu

tts.save('tts_gtts.wav')
sound_file = 'tts_gtts.wav'

Audio(sound_file, autoplay= False)
```

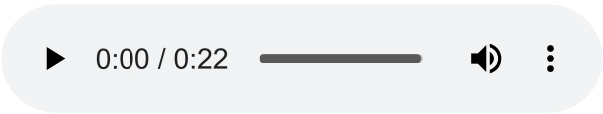
Out[6]:



In [7]:

```
import pyttsx3
from IPython.display import Audio

text = '''Data science is an interdisciplinary field that utilizes scientific metho

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

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

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

audio.say(text)  #text to speech conversion
audio.save_to_file(text, 'test_male_Voice.mp3') #save the audio file
audio.runAndWait()
Audio('test_male_Voice.mp3')
```

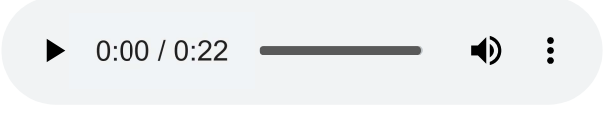
Out[7]:



In [9]:

```
import pyttsx3
from IPython.display import Audio

text = '''Data science is an interdisciplinary field that utilizes scientific metho

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

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

audio.setProperty('voice', voice[0].id)  #male voice
#audio.setProperty('voice', voice[1].id) #female voice
audio.save_to_file(text, 'test_male_Voice.mp3') #save the audio file
audio.runAndWait()
Audio('test_male_Voice.mp3')
```

Out[9]:

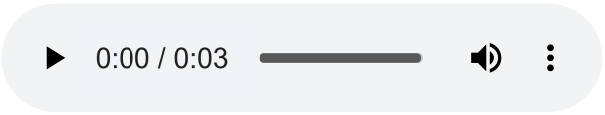


In [10]:
```
#pip install pydub
```

In [11]:
```
import warnings
warnings.filterwarnings('ignore')
```

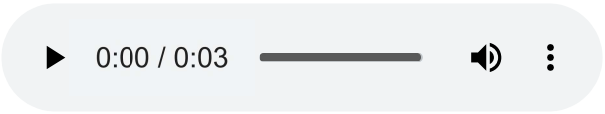
In [12]:
```
from gtts import gTTS
from IPython.display import Audio

text='Some times smart work is better than hard work.'
tts=gTTS(text=text,lang='en')
tts.save('tts_gtts.wav')
sound_file='tts_gtts.wav'
Audio(sound_file,autoplay=False)
```

Out[12]:



In [13]:
```
from gtts import gTTS
from IPython.display import Audio

text='Some times smart work is better than hard work.'
tts=gTTS(text=text,lang='en')
tts.save('tts_gtts.wav')
sound_file='tts_gtts.wav'
Audio(sound_file)
```

Out[13]:

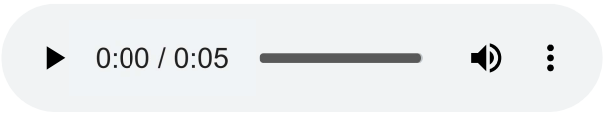


In [14]:
```
from gtts import gTTS
from IPython.display import Audio
import pyttsx3
from pydub import AudioSegment

import warnings
warnings.filterwarnings('ignore')
```

In [20]:
```
import pyttsx3
from pydub import AudioSegment
from pydub.playback import play

male_text = 'How are you, Kavya?'
female_text = 'I am fine, how about you?'

male_audio = pyttsx3.init() # Initialize engines for male and female voices
female_audio = pyttsx3.init()

male_voice = male_audio.getProperty('voices')[0] # Set properties for male voice
male_audio.setProperty('voice', male_voice.id)
male_audio.save_to_file(male_text, "male_audio.wav")
male_audio.runAndWait()
```

```
female_voice = female_audio.getProperty('voices')[1] # Set properties for female vo
female_audio.setProperty('voice', female_voice.id)
female_audio.save_to_file(female_text, "female_audio.wav")
female_audio.runAndWait()

male_audio = AudioSegment.from_file("male_audio.wav")
female_audio = AudioSegment.from_file("female_audio.wav")

concatenated_audio = male_audio + female_audio # Concatenate audio files

# Export concatenated audio
concatenated_audio.export('concatenated_audio.wav', format='wav')

Audio('concatenated_audio.wav')
```

Out[20]:



In [ ]:

In [ ]:

In [ ]: