

In [1]: `pip install gtts`

```
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: gtts in c:\users\rutik\appdata\roaming\python\python310\site-packages (2.5.3)
Requirement already satisfied: click<8.2,>=7.1 in c:\programdata\anaconda3\lib\site-packages (from gtts) (8.0.4)
Requirement already satisfied: requests<3,>=2.27 in c:\programdata\anaconda3\lib\site-packages (from gtts) (2.28.1)
Requirement already satisfied: colorama in c:\programdata\anaconda3\lib\site-packages (from click<8.2,>=7.1->gtts) (0.4.6)
Requirement already satisfied: idna<4,>=2.5 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (3.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (1.26.14)
Requirement already satisfied: certifi>=2017.4.17 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2024.8.30)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.0.4)
Note: you may need to restart the kernel to use updated packages.
```

In [1]:

```
from gtts import gTTS

from IPython.display import Audio

text_to_speech = gTTS('''Chhatrapati Shivaji Maharaj was a legendary warrior''', 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[1]:

0:00 / 0:00

In []:

In []:

Text to Speech conversion using pyttsx3

#Changing the gender using pyttsx3

In [2]: `pip install pyttsx3`

```
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: pyttsx3 in c:\users\rutik\appdata\roaming\python\python310\site-packages (2.97)
Requirement already satisfied: pywin32 in c:\programdata\anaconda3\lib\site-packages (from pyttsx3) (305.1)
Requirement already satisfied: pypiwin32 in c:\users\rutik\appdata\roaming\python\python310\site-packages (from pyttsx3) (223)
Requirement already satisfied: comtypes in c:\users\rutik\appdata\roaming\python\python310\site-packages (from pyttsx3) (1.4.7)
Note: you may need to restart the kernel to use updated packages.
```

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

text=''' hello prasad welcome to naresh technology datascience programme u
        training will help practice exposure to boost up technical skill
        and increase learning for coding skills '''

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[1].id)

audio.say(text)

#text-to speech conversion
audio.save_to_file(text,'test_female_Voice.mp3')

audio.runAndWait()
```

male voice

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

        text=''' hello  prasad welcome to naresh technology datascience programme u
                training will help practice exposure to boost up technical skill
                and increase learning for coding skills '''

        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)

        audio.say(text)

        #text-to speech conversion
        audio.save_to_file(text,'test_male_Voice.mp3')

        audio.runAndWait()
```

In []: