## Text-To-Speech-Conversion

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## 1 1. Text to speech conversion using GTTS

1.1 GTTS:- The gTTS (Google Text-to-Speech) library is a Python library and command-line tool that allows you to convert text into speech using Google's Text-to-Speech API. It generates spoken audio from text using a variety of languages and accents.

[5]: !pip install gtts

→in your projects.

```
Collecting gtts
      Downloading gTTS-2.5.3-py3-none-any.whl.metadata (4.1 kB)
    Requirement already satisfied: requests<3,>=2.27 in d:\anaconda3\lib\site-
    packages (from gtts) (2.32.2)
    Requirement already satisfied: click<8.2,>=7.1 in d:\anaconda3\lib\site-packages
    (from gtts) (8.1.7)
    Requirement already satisfied: colorama in d:\anaconda3\lib\site-packages (from
    click<8.2,>=7.1->gtts) (0.4.6)
    Requirement already satisfied: charset-normalizer<4,>=2 in
    d:\anaconda3\lib\site-packages (from requests<3,>=2.27->gtts) (2.0.4)
    Requirement already satisfied: idna<4,>=2.5 in d:\anaconda3\lib\site-packages
    (from requests<3,>=2.27->gtts) (3.7)
    Requirement already satisfied: urllib3<3,>=1.21.1 in d:\anaconda3\lib\site-
    packages (from requests<3,>=2.27->gtts) (2.2.2)
    Requirement already satisfied: certifi>=2017.4.17 in d:\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
[9]: from gtts import gTTS
     from IPython.display import Audio
     text_to_speech = gTTS("""
     Google Text-to-Speech, abbreviated as gTTS, is a Python library that allows you⊔
     to convert text into speech using the Google Text-to-Speech API.
     It supports multiple languages and accents. With just a few lines of code, you_
```

This makes it a handy tool for creating voiceovers or automating speech tasks,

⇒can generate speech and even save it as an audio file for future use.

Downloading pypiwin32-223-py3-none-any.whl (1.7 kB)
Installing collected packages: pypiwin32, comtypes, pyttsx3
Successfully installed comtypes-1.4.7 pypiwin32-223 pyttsx3-2.91