

```
! pip install gTTS
```

```
Collecting gTTS
  Downloading gTTS-2.5.4-py3-none-any.whl.metadata (4.1 kB)
Requirement already satisfied: requests<3,>=2.27 in /usr/local/lib/python3.11/dist-packages (from gTTS) (2.32.3)
Collecting click<8.2,>=7.1 (from gTTS)
  Downloading click-8.1.8-py3-none-any.whl.metadata (2.3 kB)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->gTTS) (3.4.2)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->gTTS) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->gTTS) (2.4.0)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->gTTS) (2025.4.26)
  Downloading gTTS-2.5.4-py3-none-any.whl (29 kB)
  Downloading click-8.1.8-py3-none-any.whl (98 kB)
 98.2/98.2 kB 5.6 MB/s eta 0:00:00
Installing collected packages: click, gTTS
  Attempting uninstall: click
    Found existing installation: click 8.2.0
    Uninstalling click-8.2.0:
      Successfully uninstalled click-8.2.0
  Successfully installed click-8.1.8 gTTS-2.5.4
```

```
from gtts import gTTS
from IPython.display import Audio
```

```
a = gTTS(input("Enter any text:"))
```

```
Enter any text:hi! hello good morning this is poojitha
```

```
a.save("speech.mp3")
```

```
Audio("speech.mp3")
```



```
! pip install SpeechRecognition pydub
```

```
Collecting SpeechRecognition
  Downloading speechrecognition-3.14.3-py3-none-any.whl.metadata (30 kB)
Collecting pydub
  Downloading pydub-0.25.1-py2.py3-none-any.whl.metadata (1.4 kB)
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.11/dist-packages (from SpeechRecognition) (4.13.2)
  Downloading speechrecognition-3.14.3-py3-none-any.whl (32.9 MB)
 32.9/32.9 MB 33.5 MB/s eta 0:00:00
  Downloading pydub-0.25.1-py2.py3-none-any.whl (32 kB)
Installing collected packages: pydub, SpeechRecognition
Successfully installed SpeechRecognition-3.14.3 pydub-0.25.1
```

```
from pydub import AudioSegment
mp3_file = "/content/Doraemon.mp3"
wav_file = "/content/Doraemon.wav"
```

```
audio = AudioSegment.from_mp3(mp3_file)
audio.export(wav_file, format="wav")
```

```
<_io.BufferedRandom name='/content/Doraemon.wav'>
```

```
import speech_recognition as sr
reco = sr.Recognizer()
with sr.AudioFile("/content/Doraemon.wav") as source:
    audio_data = reco.record(source)
    print("Transcript:",reco.recognize_google(audio_data))
```

```
Transcript: Zindagi song
```

```
! pip install pytesseract pillow
```

```
Collecting pytesseract
  Downloading pytesseract-0.3.13-py3-none-any.whl.metadata (11 kB)
```

Requirement already satisfied: pillow in /usr/local/lib/python3.11/dist-packages (11.2.1)
 Requirement already satisfied: packaging>=21.3 in /usr/local/lib/python3.11/dist-packages (from pytesseract) (24.2)
 Downloading pytesseract-0.3.13-py3-none-any.whl (14 kB)
 Installing collected packages: pytesseract
 Successfully installed pytesseract-0.3.13

```
from PIL import Image
import pytesseract
import matplotlib.pyplot as plt
ip = "/content/quote 2.jpg"
plt.imshow(Image.open(ip))
plt.axis('off')
```

```
(np.float64(-0.5), np.float64(224.5), np.float64(224.5), np.float64(-0.5))
```



```
img = Image.open(ip)
text = pytesseract.image_to_string(img)
print("Extracted Text:",text)
```

```
Extracted Text: fe yee
Lee
Pie

i #4 fy
```

```
!pip install googletrans==4.0.0-rc1
```

```
Requirement already satisfied: googletrans==4.0.0-rc1 in /usr/local/lib/python3.11/dist-packages (4.0.0rc1)
Requirement already satisfied: httpx==0.13.3 in /usr/local/lib/python3.11/dist-packages (from googletrans==4.0.0-rc1) (0.13.3)
Requirement already satisfied: certifi in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (2025.4.2)
Requirement already satisfied: hstspreload in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (2025.4.2)
Requirement already satisfied: sniffio in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (1.3.1)
Requirement already satisfied: chardet==3.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (3.0.0)
Requirement already satisfied: idna==2.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (2.10)
Requirement already satisfied: rfc3986<2,>=1.3 in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (1.5.0)
Requirement already satisfied: httpcore==0.9.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (0.9.1)
Requirement already satisfied: h11<0.10,>=0.8 in /usr/local/lib/python3.11/dist-packages (from httpcore==0.9.*->httpx==0.13.3->googletrans==4.0.0-rc1) (0.14.0)
Requirement already satisfied: h2==3.* in /usr/local/lib/python3.11/dist-packages (from httpcore==0.9.*->httpx==0.13.3->googletrans==4.0.0-rc1) (3.2.0)
Requirement already satisfied: hyperframe<6,>=5.2.0 in /usr/local/lib/python3.11/dist-packages (from h2==3.*->httpcore==0.9.*->httpx==0.13.3->googletrans==4.0.0-rc1) (5.2.0)
Requirement already satisfied: hpack<4,>=3.0 in /usr/local/lib/python3.11/dist-packages (from h2==3.*->httpcore==0.9.*->httpx==0.13.3->googletrans==4.0.0-rc1) (3.0.0)
```

```
from googletrans import Translator
t = Translator()
text = input("Enter a text:")
translated = t.translate(text,src='en',dest='ka')
print("Translated text:",translated.text)
```

```
Enter a text:hello
Translated text: ჰელო
```

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