

```
!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 52.7 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
```

```
!pip install transformers
```

```
!pip install pipeline
```

```
!pip install gTTS
```

```
Requirement already satisfied: transformers in /usr/local/lib/python3.11/dist-packages (4.51.3)
Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from transformers) (3.18.0)
Requirement already satisfied: huggingface-hub<1.0,>=0.30.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.31.2)
Requirement already satisfied: numpy>=1.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2.0.2)
Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (24.2)
Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.11/dist-packages (from transformers) (6.0.2)
Requirement already satisfied: regex!=2019.12.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2024.11.6)
Requirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from transformers) (2.32.3)
Requirement already satisfied: tokenizers<0.22,>=0.21 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.21.1)
Requirement already satisfied: safetensors>=0.4.3 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.5.3)
Requirement already satisfied: tqdm>=4.27 in /usr/local/lib/python3.11/dist-packages (from transformers) (4.67.1)
Requirement already satisfied: fsspec>=2023.5.0 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub<1.0,>=0.30.0->transformers) (2025.4.26)
Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub<1.0,>=0.30.0->transformers) (4.13.2)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (3.4.2)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (2.4.0)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (2025.4.26)
Collecting pipeline
  Downloading pipeline-0.1.0-py3-none-any.whl.metadata (483 bytes)
Downloading pipeline-0.1.0-py3-none-any.whl (2.6 kB)
Installing collected packages: pipeline
Successfully installed pipeline-0.1.0
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 3.6 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
```

```
!pip install secure-smtp lib
```

```
Collecting secure-smtp lib
  Downloading secure_smtp lib-0.1.1-py2.py3-none-any.whl.metadata (511 bytes)
Downloading secure_smtp lib-0.1.1-py2.py3-none-any.whl (3.4 kB)
Installing collected packages: secure-smtp lib
Successfully installed secure-smtp lib-0.1.1
```

```
from transformers import pipeline
s = pipeline('summarization')
```

➡ No model was supplied, defaulted to sshleifer/distilbart-cnn-12-6 and revision a4f8f3e (<https://huggingface.co/sshleifer/distilbart-cnn-12-6>). Using a pipeline without specifying a model name and revision in production is not recommended.

/usr/local/lib/python3.11/dist-packages/huggingface_hub/utils/_auth.py:94: UserWarning: The secret 'HF_TOKEN' does not exist in your Colab secrets.

To authenticate with the Hugging Face Hub, create a token in your settings tab (<https://huggingface.co/settings/tokens>), set it as secret in your notebook.

You will be able to reuse this secret in all of your notebooks.

Please note that authentication is recommended but still optional to access public models or datasets.

```
warnings.warn(
config.json: 100% 1.80k/1.80k [00:00<00:00, 157kB/s]
pytorch_model.bin: 100% 1.22G/1.22G [00:07<00:00, 211MB/s]
tokenizer_config.json: 100% 26.0/26.0 [00:00<00:00, 2.30kB/s]
model.safetensors: 100% 1.22G/1.22G [00:05<00:00, 216MB/s]
vocab.json: 100% 899k/899k [00:00<00:00, 1.73MB/s]
merges.txt: 100% 456k/456k [00:00<00:00, 5.29MB/s]
Device set to use cpu
```

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

```
from pydub import AudioSegment
mp3_file = '/content/AUD-20250521-WA0049.mp3'
wav_file = '/content/Role play_ Business meeting.wav'
audio = AudioSegment.from_mp3(mp3_file)
audio.export(wav_file, format='wav')
```

➡ <_io.BufferedRandom name='/content/Role play_ Business meeting.wav'>

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

➡ Transcript : hello everyone thank you guys for coming to our weekly Student Success meeting and let's just get started so I have our li

t = 'hello everyone thank you guys for coming to our weekly Student Success meeting and let\'s just get started so I have our list of chroni

```
result = s(t)
a = result[0].get('summary_text')
```

```
print(a)
```

➡ Thank you for attending today meeting. thank you okay with Bonnie everyone . Google do you have any questions? Please email us at the e

```
import smtplib
from email.mime.text import MIMEText
from email.mime.multipart import MIMEMultipart
```

```
sender_email = "chebrolutejasaisathwik@gmail.com"
receiver_email = "jyothiswaroopgolla@gmail.com"
password = "yyby oxhi gjvi lzdj"
subject = "Getting interatctions with colleagues"
```

Start coding or [generate](#) with AI.

```
msg = MIMEMultipart()
msg['From'] = sender_email
msg['To'] = receiver_email
msg['Subject'] = subject
```

```
body = "Hello \n\n" + a + "\n\n" + "Thank you\nSwarrop"
```

```
msg.attach(MIMEText(body, 'plain'))
```

```
try:
    server = smtplib.SMTP('smtp.gmail.com', 587)
    server.starttls()
    server.login(sender_email, password)
    text = msg.as_string()
    server.sendmail(sender_email, receiver_email, text)
    server.quit()
    print("Email sent successfully!")
except Exception as e:
    print(f"Error: {e}")
```

➞ Email sent successfully!

```
qa = pipeline('question-answering')
```

➞ No model was supplied, defaulted to distilbert/distilbert-base-cased-distilled-squad and revision 564e9b5 (<https://huggingface.co/distilbert/distilbert-base-cased-distilled-squad>)
Using a pipeline without specifying a model name and revision in production is not recommended.

```
config.json: 100% 473/473 [00:00<00:00, 28.6kB/s]
Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download. For better performance, please install the 'hf_xet' package.
WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download. For better performance, please install the 'hf_xet' package.
model.safetensors: 100% 261M/261M [00:01<00:00, 134MB/s]
tokenizer_config.json: 100% 49.0/49.0 [00:00<00:00, 2.34kB/s]
vocab.txt: 100% 213k/213k [00:00<00:00, 601kB/s]
tokenizer.json: 100% 436k/436k [00:00<00:00, 2.43MB/s]
Device set to use cpu
```

```
c = '''Thank you for attending today meeting. thank you okay with Bonnie everyone . Google do you have any questions? Please email us at the
```

```
q = "What is the motive of the meeting?"
```

```
result = qa(question=q, context=c)
print(result)
```

➞ {'score': 0.08982406556606293, 'start': 14, 'end': 37, 'answer': 'attending today meeting'}

```
a = pipeline('sentiment-analysis')
```

➞ No model was supplied, defaulted to distilbert/distilbert-base-uncased-finetuned-sst-2-english and revision 714eb0f (<https://huggingface.co/distilbert/distilbert-base-uncased-finetuned-sst-2-english>)
Using a pipeline without specifying a model name and revision in production is not recommended.

```
config.json: 100% 629/629 [00:00<00:00, 30.2kB/s]
Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download. For better performance, please install the 'hf_xet' package.
WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download. For better performance, please install the 'hf_xet' package.
model.safetensors: 100% 268M/268M [00:02<00:00, 137MB/s]
tokenizer_config.json: 100% 48.0/48.0 [00:00<00:00, 1.78kB/s]
vocab.txt: 100% 232k/232k [00:00<00:00, 12.7MB/s]
Device set to use cpu
```

```
text = input("Enter the text: ")
result = a(text)
print(result)
```

➞ Enter the text: there is no communication with colleagues
[{'label': 'NEGATIVE', 'score': 0.9996882677078247}]

```
text = input("Enter the text: ")
result = a(text)
print(result)
```

➞ Enter the text: there is a interaction with colleagues
[{'label': 'POSITIVE', 'score': 0.991055965423584}]

```
!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) (3.0.4)
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) (0.9.2)
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) (3.3.0)
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) (4.0.0)
```

```
def translated_summary(text, dest_language):
    """
    Translates the input text to the specified destination language.

    Args:
        text (str): The text to translate.
        dest_language (str): The language code of the desired translation.

    Returns:
        str: The translated text.
    """
```

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

```
Enter the text : meeting was ended in smooth manner
கூட்டம் சீராக முடிந்தது
```

```
from googletrans import LANGUAGES
available_languages = LANGUAGES
print("Available languages:",available_languages)
```

```
Available languages: {'af': 'afrikaans', 'sq': 'albanian', 'am': 'amharic', 'ar': 'arabic', 'hy': 'armenian', 'az': 'azerbaijani', 'eu': 'basque', 'be': 'belarusian', 'bn': 'bengali', 'bs': 'bosnian', 'bg': 'bulgarian', 'ca': 'catalan', 'ceb': 'cebuano', 'ny': 'chichewa', 'zh-cn': 'chinese (simplified)', 'zh-tw': 'chinese (traditional)', 'co': 'corsican', 'hr': 'croatian', 'cs': 'czech', 'da': 'danish', 'nl': 'dutch', 'en': 'english', 'eo': 'esperanto', 'et': 'estonian', 'tl': 'filipino', 'fi': 'finnish', 'fr': 'french', 'de': 'german', 'el': 'greek', 'gu': 'gujarati', 'ht': 'haitian creole', 'ha': 'hausa', 'he': 'hebrew', 'is': 'icelandic', 'it': 'italian', 'ja': 'japanese', 'jv': 'javanese', 'kn': 'kannada', 'kk': 'kazakh', 'km': 'khmer', 'ko': 'korean', 'ku': 'kurdish (kurmanji)', 'ky': 'kyrgyz', 'lo': 'lao', 'lt': 'lithuanian', 'lv': 'latvian', 'mk': 'macedonian', 'ml': 'malayalam', 'mg': 'malagasy', 'mr': 'marathi', 'mn': 'mongolian', 'ne': 'nepali', 'no': 'norwegian', 'or': 'oriya', 'om': 'oromo', 'ps': 'pashto', 'pt': 'portuguese', 'pa': 'punjabi', 'ro': 'romanian', 'ru': 'russian', 'rw': 'kinyarwanda', 'se': 'selempi', 'sr': 'serbian', 'st': 'soto', 'su': 'sulawesi', 'sv': 'swedish', 'tg': 'tajik', 'th': 'thai', 'tk': 'turkmen', 'tr': 'turkish', 'uk': 'ukrainian', 'ur': 'urdu', 'uz': 'uzbek', 'vi': 'vietnamese', 'xh': 'xhosa', 'yi': 'yiddish', 'yo': 'yoruba', 'zu': 'zulu'}
```

```
print("please select a language code from the following list:")
for code, language in available_languages.items():
    print(f"{code}: {language}")
```

```
please select a language code from the following list:
af: afrikaans
sq: albanian
am: amharic
ar: arabic
hy: armenian
az: azerbaijani
eu: basque
be: belarusian
bn: bengali
bs: bosnian
bg: bulgarian
ca: catalan
ceb: cebuano
ny: chichewa
zh-cn: chinese (simplified)
zh-tw: chinese (traditional)
co: corsican
hr: croatian
cs: czech
da: danish
nl: dutch
en: english
eo: esperanto
et: estonian
tl: filipino
fi: finnish
fr: french
de: german
el: greek
gu: gujarati
ht: haitian creole
ha: hausa
he: hebrew
is: icelandic
it: italian
ja: japanese
jv: javanese
kn: kannada
kk: kazakh
km: khmer
ko: korean
ku: kurdish (kurmanji)
ky: kyrgyz
lo: lao
lt: lithuanian
lv: latvian
mk: macedonian
ml: malayalam
mg: malagasy
mr: marathi
mn: mongolian
ne: nepali
no: norwegian
or: oriya
om: oromo
ps: pashto
pt: portuguese
pa: punjabi
ro: romanian
ru: russian
rw: kinyarwanda
se: selempi
sr: serbian
st: soto
su: sulawesi
sv: swedish
tg: tajik
th: thai
tk: turkmen
tr: turkish
uk: ukrainian
ur: urdu
uz: uzbek
vi: vietnamese
xh: xhosa
yi: yiddish
yo: yoruba
zu: zulu
```

```
fr: french
fy: frisian
gl: galician
ka: georgian
de: german
el: greek
gu: gujarati
ht: haitian creole
ha: hausa
haw: hawaiian
iw: hebrew
he: hebrew
hi: hindi
hmn: hmong
hu: hungarian
is: icelandic
ig: igbo
id: indonesian
ga: irish
it: italian
ja: japanese
jw: javanese
kn: kannada
kk: kazakh
km: khmer
ko: korean
ku: kurdish (kurmanji)
ky: kyrgyz
lo: lao
la: latin
lv: latvian
```

```
summary = "Thank you for attending today meeting. thank you okay with Bonnie everyone . Google do you have any questions? Please email us at
selected_language = input("\nEnter the language code you want to translate to: ")
```



Enter the language code you want to translate to: ko

```
translated_summary_text = translated_summary(summary, selected_language)
print(f"\nTranslated Summary({available_languages[selected_language]}):")
print(translated_summary_text)
```



Translated Summary(korean):
None