

```
!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)
Downloading speechrecognition-3.14.3-py3-none-any.whl (32.9 MB)
32.9/32.9 MB 52.3 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/bts mp3.mp3"
wav_file="/content/bts wav.wav"
audio=AudioSegment.from_mp3(mp3_file)
audio.export(wav_file,format="wav")
```

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

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

```
summary: BTS bangtan sonyeondan also known as Ben 10 boys is a South Korean boy band formed in 2010 the band cons
```

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

```
sender_email = "charithatirupathi@gmail.com"
receiver_email = "bhanusrikurra624@gmail.com"
app_password = "bjej fkry qtpy jsaz" # Not your regular Gmail password
```

```
summary = """BTS Bangtan sonyeondan also known as Bangtan Boys is a South Korean boy band formed
in 2010 the band consists of gin sugar Jehovah Army and Jungle Book or go produce much of their material
originally a hip hop group The expand the musical style to incorporate a wide range of change while their
lyrics have focused on subjects including mental health school issued and Coming of Age Loss the journey
store and the consequences of frame and recognition the Disco discography"""
```

```
message = MIMEMultipart()
message["Subject"] = "Summary Report"
message["From"] = "charithatirupathi@gmail.com"
message["To"] = "bhanusrikurra624@gmail.com"
```

```
message.attach(MIMEText(summary, "plain"))
```

```
with smtplib.SMTP_SSL("smtp.gmail.com", 465) as server:
    server.login("charithatirupathi@gmail.com","bjej fkry qtpy jsaz")
    server.sendmail("charithatirupathi@gmail.com", "bhanusrikurra624@gmail.com", message.as_string())
```

```
print("Email sent successfully!")
```

```
Email sent successfully!
```

```
!pip install transformers
```

```
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 trans
```

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) (24.0)
 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) (2024.5.15)
 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) (0.19.1)
 Requirement already satisfied: safetensors>=0.4.3 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.4.4)
 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,>=0.23.0) (2024.10.1)
 Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub<1.0,>=0.23.0) (4.12.2)
 Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests) (3.4.1)
 Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests) (3.10)
 Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests) (2.2.3)
 Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests) (2025.1.31)

```
from transformers import pipeline
```

```
n=pipeline('ner')
```

⚠ No model was supplied, defaulted to dbmdz/bert-large-cased-finetuned-conll03-english and revision 4c53496 (<https://huggingface.co/dbmdz/bert-large-cased-finetuned-conll03-english>)
 Using a pipeline without specifying a model name and revision in production is not recommended.
 Some weights of the model checkpoint at dbmdz/bert-large-cased-finetuned-conll03-english were not used when initializing BertForTokenClassification from the checkpoint of a model trained on an unlabeled dataset.
 - This IS expected if you are initializing BertForTokenClassification from the checkpoint of a model trained on an unlabeled dataset.
 - This IS NOT expected if you are initializing BertForTokenClassification from the checkpoint of a model that you expect to be initialized with labels (unlike 'token_classification' where only the unlabeled tokens should be initialized from scratch).
 Device set to use cpu

```
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, 4.64kB/s]
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Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download.
 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.

model.safetensors: 100%	261M/261M [00:01<00:00, 154MB/s]
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tokenizer_config.json: 100%	49.0/49.0 [00:00<00:00, 2.92kB/s]
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vocab.txt: 100%	213k/213k [00:00<00:00, 2.59MB/s]
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tokenizer.json: 100%	436k/436k [00:00<00:00, 2.65MB/s]
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Device set to use cpu


```
c = '''BTS Bangtan sonyeondan also known as Bangtan Boys is a South Korean boy band formed in 2010 the band consists of Jimin, Jungkook, Jin, Suga, V, and RM. They are known for their unique sound and choreography. The band has won numerous awards and has a large fan base. They are also known for their social activism and philanthropy.'''
```

```
q = "BTS is also known as what?"
```

```
result = qa({'question' :q , 'context' : c})
print(result)
```

⚠ /usr/local/lib/python3.11/dist-packages/transformers/pipelines/question_answering.py:390: FutureWarning: Passing a list to warn() is deprecated. Please use warn_once() instead. (Triggered at 0.3996255695819855, 'start': 37, 'end': 49, 'answer': 'Bangtan Boys')

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

 No model was supplied, defaulted to distilbert/distilbert-base-uncased-finetuned-sst-2-english and revision 714eb0
Using a pipeline without specifying a model name and revision in production is not recommended.

config.json: 100%

629/629 [00:00<00:00, 18.8kB/s]

Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download
WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed

model.safetensors: 100%

268M/268M [00:01<00:00, 181MB/s]

tokenizer_config.json: 100%


48.0/48.0 [00:00<00:00, 2.54kB/s]

vocab.txt: 100%


232k/232k [00:00<00:00, 9.11MB/s]

Device set to use cpu

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

 Enter the text:i love BTS
[{'label': 'POSITIVE', 'score': 0.9998058676719666}]

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

 Enter the text:i only watch BTS
[{'label': 'NEGATIVE', 'score': 0.973091721534729}]

```
!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)
Requirement already satisfied: certifi in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans)
Requirement already satisfied: hstspreload in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans)
Requirement already satisfied: sniffio in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans)
Requirement already satisfied: chardet==3.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans)
Requirement already satisfied: idna==2.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans)
Requirement already satisfied: rfc3986<2,>=1.3 in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans)
Requirement already satisfied: httpcore==0.9.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans)
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)
Requirement already satisfied: h2==3.* in /usr/local/lib/python3.11/dist-packages (from httpcore==0.9.*->httpx==0.13.3->googletrans)
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)
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)

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


 Every and adjacent work has also referred literature philosophy and psychology and includes an alternate universe s

```
english_text = reco.recognize_google(audio_data, language='en-IN')
print("summary:", english_text)
```

 summary: BTS bangtan sonyeondan also known as Ben 10 boys is a South Korean boy band formed in 2010 the band consists

```
from googletrans import Translator
```

```
translator = Translator()
translated = translator.translate(" BTS bangtan sonyeondan also known as Ben 10 boys is a South Korean boy band formed in 2010")
print("Korean Translation:", translated.text)
```

 Korean Translation: BTS Bangtan Sonyeondan은 2010 년에 형성된 Ben 10 Boys라고도하는 남한 소년 밴드입니다. 밴드는 텍 설

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