```python
!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 16.4 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
```

```python
import speech_recognition as sr
from pydub import AudioSegment
```

```python
!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 3.3 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
```

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

```python
from pydub import AudioSegment
mp3_file = "/content/Meeting Audio File  (1).mp3"
wav_file ="/content/speech.wav"
audio = AudioSegment.from_mp3(mp3_file)
audio.export(wav_file, format="wav")
```

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

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

```
Transcipt:  just a couple of comments and questions first one to the CEO or CFO under Section 33304 subsection 1 no later than May 15th
```

```python
from transformers import pipeline
```

```python
s = pipeline("summarization")
```

```
No model was supplied, defaulted to sshleifer/distilbart-cnn-12-6 and revision a4f8f3e (https://huggingface.co/sshleifer/distilbart-cnn-
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 secre
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, 78.6kB/s]	
pytorch_model.bin: 100%	1.22G/1.22G [00:04<00:00, 235MB/s]	
model.safetensors: 100%	1.22G/1.22G [00:13<00:00, 113MB/s]	
tokenizer_config.json: 100%	26.0/26.0 [00:00<00:00, 659B/s]	
vocab.json: 100%	899k/899k [00:00<00:00, 4.40MB/s]	
merges.txt: 100%	456k/456k [00:00<00:00, 1.28MB/s]	

```
Device set to use cpu
```

```python
audio = '/content/Meeting Audio File  (1).mp3'
```

```python
result = s(audio)
result[0].get('summary_audio')
```

```
Your max_length is set to 142, but your input_length is only 15. Since this is a summarization task, where outputs shorter than the inpu
```

```python
qa = pipeline("question-answering")
```

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

config.json: 100%	473/473 [00:00<00:00, 20.2kB/s]	

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

model.safetensors: 100%	261M/261M [00:03<00:00, 68.7MB/s]	
tokenizer_config.json: 100%	49.0/49.0 [00:00<00:00, 3.34kB/s]	
vocab.txt: 100%	213k/213k [00:00<00:00, 1.17MB/s]	
tokenizer.json: 100%	436k/436k [00:00<00:00, 1.21MB/s]	

```
Device set to use cpu
```

```python
t = '''just a couple of comments and questions first one to the CEO or CFO'''
```

```python
q = "How can the council address residents' frustration about limited public engagement?"
```

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

```
Requirement already satisfied: transformers in /usr/local/lib/python3.11/dist-packages (4.51.3)
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
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
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) (
Requirement already satisfied: httpcore==0.9.* in /usr/local/lib/python3.11/dist-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (
Requirement already satisfied: h11<0.10,>=0.8 in /usr/local/lib/python3.11/dist-packages (from httpcore==0.9.*->httpx==0.13.3->googletra
Requirement already satisfied: h2==3.* in /usr/local/lib/python3.11/dist-packages (from httpcore==0.9.*->httpx==0.13.3->googletrans==4.0
Requirement already satisfied: hyperframe<6,>=5.2.0 in /usr/local/lib/python3.11/dist-packages (from h2==3.*->httpcore==0.9.*->httpx==0.
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->g
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->transform
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-
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (3.4.2)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (2.4.0)
```

```python
from transformers import pipeline
from googletrans import Translator


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

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

    config.json: 100%   629/629 [00:00<00:00, 8.73kB/s]

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

    model.safetensors: 100%   268M/268M [00:04<00:00, 57.4MB/s]

    tokenizer_config.json: 100%   48.0/48.0 [00:00<00:00, 1.11kB/s]

    vocab.txt: 100%   232k/232k [00:00<00:00, 4.96MB/s]

    Device set to use cpu

◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬   ▶

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

→ No model was supplied, defaulted to distilbert/distilbert-base-uncased-finetuned-sst-2-english and revision 714eb0f (https://huggingface
    Using a pipeline without specifying a model name and revision in production is not recommended.
    Device set to use cpu

◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬   ▶

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

→ Enter text: just a couple of comments and questions first one to the CEO or CFO
    [{'label': 'NEGATIVE', 'score': 0.9817594289779663}]

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

→ Enter text: just a couple of comments and questions first one to the CEO or CFO
    Translated text: தலைமை நிர்வாக அதிகாரி அல்லது சி.எஃப்.ஓவுக்கு முதலில் இரண்டு கருத்துகள் மற்றும் கேள்விகள்

```python
import smtplib
from email.mime.text import MIMEText
from email.mime.multipart import MIMEMultipart
sender_email = "231fa04942@gmail.com"
receiver_email = "231fa04956@gmail.com"
password = "bgum hgml jjxj sqmk"
smtp_server = "smtp.gmail.com"
smtp_port = 587
summary_result = s(audio)
summary_text = summary_result[0].get('summary_text', 'No summary available')

subject = "Meeting summary"
body = "Dear Team,\nThis is autogenerated eamil for summary\n\n" + summary_text + "\n\nBest Regards,\nNagendra"

message = MIMEMultipart()
message["From"] = sender_email
message["To"] = receiver_email
message["Subject"] = subject
message.attach(MIMEText(body, "plain"))
try:
    server = smtplib.SMTP(smtp_server, smtp_port)
    server.starttls()
    server.login(sender_email, password)
    server.sendmail(sender_email, receiver_email, message.as_string())

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

```
except Exception as e:
    print(f"Error: {e}")

finally:
    server.quit()
```

Your max_length is set to 142, but your input_length is only 15. Since this is a summarization task, where outputs shorter than the inpu
Email sent successfully!